

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075765.D
 Acq On : 14 Dec 2022 11:44
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 12:11:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 11:45:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	282705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	456941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	412295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	201486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	59898	19.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.940%#		
35) Dibromofluoromethane	8.171	113	54584	19.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.160%#		
50) Toluene-d8	10.571	98	209838	20.042	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.080%#		
62) 4-Bromofluorobenzene	12.853	95	69015	19.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	40151	19.310	ug/l	96
3) Chloromethane	2.371	50	47134	19.026	ug/l	95
4) Vinyl Chloride	2.530	62	58615	19.262	ug/l	98
5) Bromomethane	2.965	94	48620	18.760	ug/l	97
6) Chloroethane	3.130	64	41703	18.368	ug/l	99
7) Trichlorofluoromethane	3.512	101	89227	20.210	ug/l	96
8) Diethyl Ether	3.977	74	31811	19.708	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.383	101	52167	20.133	ug/l	99
10) Methyl Iodide	4.600	142	82466	19.476	ug/l	98
11) Tert butyl alcohol	5.530	59	41945	94.523	ug/l	100
12) 1,1-Dichloroethene	4.359	96	49592	20.477	ug/l	85
13) Acrolein	4.194	56	54859	107.341	ug/l	98
14) Allyl chloride	5.042	41	63787	21.150	ug/l	92
15) Acrylonitrile	5.736	53	117966	102.917	ug/l	99
16) Acetone	4.447	43	102992	101.388	ug/l	96
17) Carbon Disulfide	4.724	76	120118	18.744	ug/l	98
18) Methyl Acetate	5.042	43	62643	19.191	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	166664	20.457	ug/l	94
20) Methylene Chloride	5.289	84	58149	19.202	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	53843	19.894	ug/l	87
22) Diisopropyl ether	6.683	45	144814	21.103	ug/l	99
23) Vinyl Acetate	6.612	43	485410	92.766	ug/l	98
24) 1,1-Dichloroethane	6.577	63	92898	20.566	ug/l	98
25) 2-Butanone	7.488	43	151037	101.709	ug/l	100
26) 2,2-Dichloropropane	7.494	77	80285	20.840	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	64859	19.740	ug/l	98
28) Bromochloromethane	7.824	49	41215	22.821	ug/l	100
29) Tetrahydrofuran	7.847	42	96842	105.804	ug/l	98
30) Chloroform	7.971	83	106785	21.343	ug/l	100
31) Cyclohexane	8.259	56	85148	19.173	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	96265	20.855	ug/l	99
36) 1,1-Dichloropropene	8.377	75	75325	20.348	ug/l	99
37) Ethyl Acetate	7.565	43	61352	20.642	ug/l	97
38) Carbon Tetrachloride	8.365	117	84434	19.766	ug/l	99
39) Methylcyclohexane	9.600	83	96267	20.508	ug/l	98
40) Benzene	8.612	78	234707	20.659	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075765.D
 Acq On : 14 Dec 2022 11:44
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2022
 Supervised By : Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 12:11:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 11:45:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	31990	20.991	ug/l	98
42) 1,2-Dichloroethane	8.677	62	78460	20.645	ug/l	99
43) Isopropyl Acetate	8.694	43	101405	20.437	ug/l	99
44) Trichloroethene	9.353	130	64735	20.198	ug/l	99
45) 1,2-Dichloropropane	9.624	63	55561	20.563	ug/l	97
46) Dibromomethane	9.712	93	42092	20.749	ug/l	97
47) Bromodichloromethane	9.888	83	80606	20.266	ug/l	97
48) Methyl methacrylate	9.682	41	45469	19.896	ug/l	98
49) 1,4-Dioxane	9.700	88	22790	410.250	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	317554	103.789	ug/l	99
52) Toluene	10.629	92	153884	20.493	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	79442	20.223	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	91249	20.879	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	59592	20.184	ug/l	97
56) Ethyl methacrylate	10.876	69	80162	20.038	ug/l	99
57) 1,3-Dichloropropane	11.165	76	98732	20.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	129255	109.427	ug/l	98
59) 2-Hexanone	11.200	43	229137	103.082	ug/l	98
60) Dibromochloromethane	11.359	129	68211	20.995	ug/l	98
61) 1,2-Dibromoethane	11.470	107	61896	20.010	ug/l	100
64) Tetrachloroethene	11.106	164	58358	19.432	ug/l	98
65) Chlorobenzene	11.894	112	168688	19.885	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	64053	20.753	ug/l	98
67) Ethyl Benzene	11.965	91	291128	20.286	ug/l	99
68) m/p-Xylenes	12.070	106	233470	40.263	ug/l	98
69) o-Xylene	12.400	106	116480	20.701	ug/l	99
70) Styrene	12.412	104	186346	20.648	ug/l	99
71) Bromoform	12.582	173	46684	19.955	ug/l #	97
73) Isopropylbenzene	12.700	105	297410	20.558	ug/l	100
74) N-amyl acetate	12.494	43	86574	20.596	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	85247	19.616	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	82582m	20.409	ug/l	
77) Bromobenzene	12.982	156	71959	19.779	ug/l	99
78) n-propylbenzene	13.041	91	332491	20.711	ug/l	100
79) 2-Chlorotoluene	13.129	91	199196	20.099	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	254208	21.017	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	22227	20.560	ug/l	97
82) 4-Chlorotoluene	13.129	91	199196	20.099	ug/l	99
83) tert-Butylbenzene	13.441	119	223256	20.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	255051	20.981	ug/l	100
85) sec-Butylbenzene	13.617	105	307444	20.389	ug/l	99
86) p-Isopropyltoluene	13.729	119	260955	20.683	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	134424	19.757	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	134113	19.378	ug/l	100
89) n-Butylbenzene	14.059	91	202637	20.038	ug/l	99
90) Hexachloroethane	14.335	117	44479	20.581	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	136357	20.140	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14858	20.806	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	62590	19.255	ug/l	99
94) Hexachlorobutadiene	15.506	225	36572	19.830	ug/l	99
95) Naphthalene	15.641	128	189370	19.712	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	61599	19.286	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075765.D
 Acq On : 14 Dec 2022 11:44
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/15/2022
 Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 12:11:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 11:45:57 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
 Data File : VN075765.D
 Acq On : 14 Dec 2022 11:44
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/15/2022

Supervised By :Mahesh Dadoda 12/15/2022

Quant Time: Dec 14 12:11:53 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M

Quant Title : SW846 8260

QLast Update : Wed Dec 14 11:45:57 2022

Response via : Initial Calibration

