

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076394.D
 Acq On : 25 Jan 2023 12:10
 Operator : JC\MD
 Sample : VN0125WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 26 07:14:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	323029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	533484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	472178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	211954	58.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.200%			
35) Dibromofluoromethane	8.177	113	178275	53.421	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.840%			
50) Toluene-d8	10.571	98	665073	53.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.920%			
62) 4-Bromofluorobenzene	12.853	95	227185	56.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.940%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	63024	19.039	ug/l	99
3) Chloromethane	2.371	50	66230	19.324	ug/l	99
4) Vinyl Chloride	2.530	62	86353	20.548	ug/l	95
5) Bromomethane	2.959	94	70714	20.547	ug/l	98
6) Chloroethane	3.130	64	65822	20.887	ug/l	98
7) Trichlorofluoromethane	3.512	101	117903	20.392	ug/l	99
8) Diethyl Ether	3.977	74	41606	21.455	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	65893	20.132	ug/l	96
10) Methyl Iodide	4.606	142	93394	18.681	ug/l	97
11) Tert butyl alcohol	5.536	59	41787	86.375	ug/l	100
12) 1,1-Dichloroethene	4.353	96	58900	19.037	ug/l	88
13) Acrolein	4.195	56	57796	99.896	ug/l	99
14) Allyl chloride	5.036	41	72249	20.038	ug/l	98
15) Acrylonitrile	5.736	53	141815	103.011	ug/l	99
16) Acetone	4.442	43	124759	107.558	ug/l	95
17) Carbon Disulfide	4.724	76	130534	16.944	ug/l	97
18) Methyl Acetate	5.036	43	79465	20.223	ug/l	97
19) Methyl tert-butyl Ether	5.806	73	213287	21.175	ug/l	98
20) Methylene Chloride	5.289	84	70286	20.126	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	64487	19.239	ug/l	95
22) Diisopropyl ether	6.683	45	187801	22.087	ug/l	97
23) Vinyl Acetate	6.612	43	580245	105.587	ug/l	97
24) 1,1-Dichloroethane	6.577	63	115984	20.463	ug/l	100
25) 2-Butanone	7.494	43	177031	99.969	ug/l	93
26) 2,2-Dichloropropane	7.494	77	92617	19.388	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	77143	19.733	ug/l	98
28) Bromochloromethane	7.824	49	50239	21.869	ug/l	94
29) Tetrahydrofuran	7.847	42	115085	105.298	ug/l	97
30) Chloroform	7.971	83	132477	21.124	ug/l	97
31) Cyclohexane	8.265	56	101855	18.332	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	116028	20.264	ug/l	92
36) 1,1-Dichloropropene	8.377	75	92048	19.411	ug/l	97
37) Ethyl Acetate	7.565	43	76298	20.082	ug/l	96
38) Carbon Tetrachloride	8.365	117	101680	19.228	ug/l	98
39) Methylcyclohexane	9.606	83	108845	18.796	ug/l	96
40) Benzene	8.612	78	278222	19.621	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
 Data File : VN076394.D
 Acq On : 25 Jan 2023 12:10
 Operator : JC\MD
 Sample : VN0125WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0125WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/26/2023
 Supervised By : Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 26 07:14:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	40237	20.204	ug/l	96
42) 1,2-Dichloroethane	8.671	62	99664	20.543	ug/l	99
43) Isopropyl Acetate	8.694	43	123104	19.895	ug/l	99
44) Trichloroethene	9.353	130	72908	18.180	ug/l	95
45) 1,2-Dichloropropane	9.624	63	68596	20.206	ug/l	97
46) Dibromomethane	9.712	93	51034	19.911	ug/l	98
47) Bromodichloromethane	9.888	83	103142	20.748	ug/l	98
48) Methyl methacrylate	9.682	41	58637	20.017	ug/l	99
49) 1,4-Dioxane	9.700	88	23633	382.347	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	378041	104.076	ug/l	98
52) Toluene	10.635	92	187420	19.765	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	94875	20.020	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	109895	20.156	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	73894	20.388	ug/l	98
56) Ethyl methacrylate	10.876	69	98647	21.082	ug/l	98
57) 1,3-Dichloropropane	11.165	76	120715	20.495	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	128820	81.548	ug/l	99
59) 2-Hexanone	11.200	43	269454	102.368	ug/l	97
60) Dibromochloromethane	11.359	129	80963	21.220	ug/l	98
61) 1,2-Dibromoethane	11.471	107	72045	19.914	ug/l	99
64) Tetrachloroethene	11.106	164	78212	18.368	ug/l	95
65) Chlorobenzene	11.894	112	196833	19.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	74730	20.123	ug/l	98
67) Ethyl Benzene	11.965	91	346424	20.279	ug/l	99
68) m/p-Xylenes	12.071	106	272694	39.810	ug/l	98
69) o-Xylene	12.400	106	134816	20.041	ug/l	96
70) Styrene	12.412	104	219633	20.448	ug/l	99
71) Bromoform	12.582	173	55899	20.843	ug/l #	99
73) Isopropylbenzene	12.700	105	353202	20.662	ug/l	100
74) N-amyl acetate	12.494	43	101003	20.541	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	99963	20.342	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	88218m	21.372	ug/l	
77) Bromobenzene	12.982	156	82465	20.301	ug/l	98
78) n-propylbenzene	13.041	91	397674	20.618	ug/l	99
79) 2-Chlorotoluene	13.129	91	240405	20.312	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	300869	21.009	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	24193	18.217	ug/l #	78
82) 4-Chlorotoluene	13.129	91	240405	20.312	ug/l	99
83) tert-Butylbenzene	13.441	119	266234	20.902	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	299527	20.859	ug/l	99
85) sec-Butylbenzene	13.617	105	367264	20.780	ug/l	99
86) p-Isopropyltoluene	13.729	119	298481	20.538	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	152375	18.912	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	148084	19.383	ug/l	97
89) n-Butylbenzene	14.059	91	234079	20.289	ug/l	99
90) Hexachloroethane	14.335	117	51182	20.405	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	151963	18.937	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	17217	20.156	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	71060	19.153	ug/l	100
94) Hexachlorobutadiene	15.500	225	39419	18.511	ug/l	97
95) Naphthalene	15.641	128	199544	18.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	68639	19.296	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012523\
Data File : VN076394.D
Acq On : 25 Jan 2023 12:10
Operator : JC\MD
Sample : VN0125WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0125WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/26/2023
Supervised By :Semsettin Yesilyurt 01/26/2023

Quant Time: Jan 26 07:14:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

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

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

