

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075492.D
 Acq On : 30 Nov 2022 10:18
 Operator : JC\MD
 Sample : VN1130WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 02:12:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	147111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	242334	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	216744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40102	50.783	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.560%			
35) Dibromofluoromethane	8.171	113	49613	52.116	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	10.565	98	112021	52.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	82041	51.840	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	19411	17.256	ug/l	88
3) Chloromethane	2.377	50	22006	15.722	ug/l	97
4) Vinyl Chloride	2.524	62	30962	17.552	ug/l	96
5) Bromomethane	2.924	94	30871	19.901	ug/l	95
6) Chloroethane	3.106	64	25379	18.987	ug/l	97
7) Trichlorofluoromethane	3.501	101	46334	18.386	ug/l	97
8) Diethyl Ether	3.971	74	17137	19.402	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	27627	19.858	ug/l	93
10) Methyl Iodide	4.600	142	41339	18.337	ug/l	98
11) Tert butyl alcohol	5.530	59	28442	85.799	ug/l #	93
12) 1,1-Dichloroethene	4.348	96	25625	18.810	ug/l	86
13) Acrolein	4.189	56	25972	89.935	ug/l	99
14) Allyl chloride	5.030	41	32395	18.384	ug/l	95
15) Acrylonitrile	5.730	53	72141	94.855	ug/l	97
16) Acetone	4.436	43	71932	97.658	ug/l	98
17) Carbon Disulfide	4.718	76	53602	15.140	ug/l	98
18) Methyl Acetate	5.036	43	38190	19.784	ug/l	93
19) Methyl tert-butyl Ether	5.806	73	89765	18.600	ug/l	98
20) Methylene Chloride	5.283	84	30660	19.754	ug/l	89
21) trans-1,2-Dichloroethene	5.800	96	27253	17.554	ug/l	94
22) Diisopropyl ether	6.677	45	77290	19.220	ug/l	96
23) Vinyl Acetate	6.612	43	295397m	92.334	ug/l	
24) 1,1-Dichloroethane	6.571	63	50385	19.520	ug/l	98
25) 2-Butanone	7.489	43	92680	90.125	ug/l	98
26) 2,2-Dichloropropane	7.489	77	45268	18.870	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	33512	19.089	ug/l	93
28) Bromochloromethane	7.818	49	20205	19.284	ug/l	84
29) Tetrahydrofuran	7.847	42	56414	90.189	ug/l	96
30) Chloroform	7.971	83	56258	18.980	ug/l	97
31) Cyclohexane	8.265	56	43255	17.241	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	50779	18.867	ug/l	97
36) 1,1-Dichloropropene	8.377	75	38373	18.484	ug/l	98
37) Ethyl Acetate	7.565	43	34815	18.625	ug/l	99
38) Carbon Tetrachloride	8.365	117	45069	19.762	ug/l	97
39) Methylcyclohexane	9.606	83	48418	18.635	ug/l	96
40) Benzene	8.606	78	122021	19.197	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075492.D
 Acq On : 30 Nov 2022 10:18
 Operator : JC\MD
 Sample : VN1130WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS01

Quant Time: Dec 01 02:12:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/01/2022
 Supervised By : Mahesh Dadoda 12/01/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	18855	19.729	ug/l	97
42) 1,2-Dichloroethane	8.671	62	42005	19.732	ug/l	97
43) Isopropyl Acetate	8.688	43	55693	18.561	ug/l	96
44) Trichloroethene	9.353	130	31977	18.386	ug/l	97
45) 1,2-Dichloropropane	9.624	63	29634	19.564	ug/l	95
46) Dibromomethane	9.712	93	21874	19.092	ug/l	90
47) Bromodichloromethane	9.888	83	42892	19.332	ug/l #	95
48) Methyl methacrylate	9.683	41	25047	18.053	ug/l	94
49) 1,4-Dioxane	9.694	88	14374	364.859	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	183521	96.031	ug/l	98
52) Toluene	10.630	92	80937	19.760	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	41819	18.775	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	46706	19.307	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	31688	18.995	ug/l	97
56) Ethyl methacrylate	10.877	69	43273	19.207	ug/l	98
57) 1,3-Dichloropropane	11.165	76	52761	19.396	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	79275	97.565	ug/l	96
59) 2-Hexanone	11.194	43	135313	94.293	ug/l	97
60) Dibromochloromethane	11.365	129	35002	20.441	ug/l	100
61) 1,2-Dibromoethane	11.471	107	33133	19.135	ug/l	99
64) Tetrachloroethene	11.106	164	31836	19.234	ug/l	92
65) Chlorobenzene	11.894	112	86309	19.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	32512	19.461	ug/l	97
67) Ethyl Benzene	11.965	91	150055	19.650	ug/l	99
68) m/p-Xylenes	12.071	106	123496	39.823	ug/l	99
69) o-Xylene	12.400	106	60728	19.709	ug/l	95
70) Styrene	12.412	104	95332	19.613	ug/l	98
71) Bromoform	12.576	173	25750	20.252	ug/l #	98
73) Isopropylbenzene	12.694	105	154887	20.400	ug/l	99
74) N-amyl acetate	12.494	43	46772	20.038	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	48456	20.934	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	40751m	20.740	ug/l	
77) Bromobenzene	12.982	156	38315	20.441	ug/l	85
78) n-propylbenzene	13.035	91	171886	20.286	ug/l	99
79) 2-Chlorotoluene	13.123	91	103954	20.362	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	130404	20.673	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	12499	18.821	ug/l	97
82) 4-Chlorotoluene	13.123	91	103954	20.362	ug/l	96
83) tert-Butylbenzene	13.441	119	117202	20.378	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	131302	20.752	ug/l	100
85) sec-Butylbenzene	13.618	105	159957	20.498	ug/l	100
86) p-Isopropyltoluene	13.729	119	133981	20.406	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	69926	19.690	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	69271	19.201	ug/l	99
89) n-Butylbenzene	14.059	91	103032	18.580	ug/l	98
90) Hexachloroethane	14.335	117	23970	21.162	ug/l	85
91) 1,2-Dichlorobenzene	14.106	146	69312	20.022	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8667	19.766	ug/l	85
93) 1,2,4-Trichlorobenzene	15.394	180	31945	18.007	ug/l	99
94) Hexachlorobutadiene	15.500	225	18219	19.716	ug/l	98
95) Naphthalene	15.641	128	99536	17.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	32397	18.581	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
Data File : VN075492.D
Acq On : 30 Nov 2022 10:18
Operator : JC\MD
Sample : VN1130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/01/2022
Supervised By :Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 02:12:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 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\VN113022\
Data File : VN075492.D
Acq On : 30 Nov 2022 10:18
Operator : JC\MD
Sample : VN1130WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/01/2022
Supervised By : Mahesh Dadoda 12/01/2022

Quant Time: Dec 01 02:12:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

