

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120621\
 Data File : VN069787.D
 Acq On : 6 Dec 2021 16:44
 Operator : JC/MD
 Sample : VN1206WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/07/2021
 Supervised By : Mahesh Dadoda 12/10/2021

Quant Time: Dec 07 03:49:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1175160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1937424	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1780803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	706728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	873409	48.136	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.280%		
35) Dibromofluoromethane	8.021	113	601006	49.524	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.040%		
50) Toluene-d8	10.443	98	2425816	49.782	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.560%		
62) 4-Bromofluorobenzene	12.731	95	832660	47.167	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	276955	20.206	ug/l	98
3) Chloromethane	2.303	50	312749	18.213	ug/l	100
4) Vinyl Chloride	2.443	62	300480	19.031	ug/l	99
5) Bromomethane	2.845	94	156619	18.258	ug/l	100
6) Chloroethane	3.011	64	180484	18.654	ug/l	98
7) Trichlorofluoromethane	3.371	101	402793	19.437	ug/l	99
8) Diethyl Ether	3.824	74	159031	19.925	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.199	101	224068	19.289	ug/l	97
10) Methyl Iodide	4.414	142	261229	16.461	ug/l	97
11) Tert butyl alcohol	5.393	59	333979	97.377	ug/l	99
12) 1,1-Dichloroethene	4.173	96	216523	19.343	ug/l	91
13) Acrolein	4.041	56	420112	143.838	ug/l	99
14) Allyl chloride	4.835	41	463331	18.369	ug/l	95
15) Acrylonitrile	5.559	53	892294	96.548	ug/l	99
16) Acetone	4.291	43	994230	91.091	ug/l	96
17) Carbon Disulfide	4.521	76	493923	17.079	ug/l	100
18) Methyl Acetate	4.859	43	627880	19.058	ug/l	92
19) Methyl tert-butyl Ether	5.624	73	861203	19.787	ug/l	97
20) Methylene Chloride	5.095	84	265280	18.283	ug/l	87
21) trans-1,2-Dichloroethene	5.594	96	233019	19.165	ug/l	90
22) Diisopropyl ether	6.501	45	977934	19.836	ug/l	94
23) Vinyl Acetate	6.436	43	3965926	98.877	ug/l	95
24) 1,1-Dichloroethane	6.385	63	486856	19.063	ug/l	99
25) 2-Butanone	7.340	43	1401849	94.528	ug/l	94
26) 2,2-Dichloropropane	7.327	77	370634	18.665	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	279436	19.023	ug/l	87
28) Bromochloromethane	7.659	49	230358	17.346	ug/l #	80
29) Tetrahydrofuran	7.691	42	907540	100.781	ug/l	89
30) Chloroform	7.817	83	497785	19.300	ug/l	99
31) Cyclohexane	8.094	56	482862	19.123	ug/l	92
32) 1,1,1-Trichloroethane	8.016	97	417716	19.013	ug/l	96
36) 1,1-Dichloropropene	8.220	75	358018	19.411	ug/l	97
37) Ethyl Acetate	7.418	43	535785	19.518	ug/l	95
38) Carbon Tetrachloride	8.206	117	339043	18.746	ug/l	100
39) Methylcyclohexane	9.462	83	429481	19.577	ug/l	92
40) Benzene	8.461	78	1107077	19.638	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	264492	20.525	ug/l #	88
42) 1,2-Dichloroethane	8.531	62	443467	19.487	ug/l	97
43) Isopropyl Acetate	8.566	43	794822	19.566	ug/l	94
44) Trichloroethene	9.217	130	259092	19.255	ug/l	89
45) 1,2-Dichloropropane	9.491	63	293817	19.408	ug/l	99
46) Dibromomethane	9.580	93	195306	19.671	ug/l	93
47) Bromodichloromethane	9.762	83	352577	18.756	ug/l	99
48) Methyl methacrylate	9.561	41	372256	19.636	ug/l	90
49) 1,4-Dioxane	9.571	88	147606	433.929	ug/l	91
51) 4-Methyl-2-Pentanone	10.333	43	2715591	103.045	ug/l	96
52) Toluene	10.507	92	689473	20.032	ug/l	98
53) t-1,3-Dichloropropene	10.719	75	372910	18.364	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	413990	18.746	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	273767	19.714	ug/l	98
56) Ethyl methacrylate	10.762	69	463610	19.166	ug/l #	86
57) 1,3-Dichloropropane	11.047	76	477327	19.521	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.044	63	530790	87.885	ug/l	93
59) 2-Hexanone	11.087	43	2022913	101.473	ug/l	93
60) Dibromochloromethane	11.240	129	245547	18.095	ug/l	100
61) 1,2-Dibromoethane	11.347	107	282662	19.652	ug/l	100
64) Tetrachloroethene	10.977	164	234457	19.417	ug/l	95
65) Chlorobenzene	11.771	112	711598	19.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	252136	19.829	ug/l	99
67) Ethyl Benzene	11.846	91	1321751	20.141	ug/l	96
68) m/p-Xylenes	11.956	106	964454	40.363	ug/l	93
69) o-Xylene	12.283	106	487880	20.271	ug/l	95
70) Styrene	12.296	104	764029	20.019	ug/l	96
71) Bromoform	12.457	173	171856	17.670	ug/l #	100
73) Isopropylbenzene	12.581	105	1265410	20.125	ug/l	98
74) N-amyl acetate	12.390	43	558181	20.073	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.830	83	440059	20.239	ug/l	97
76) 1,2,3-Trichloropropane	12.881	75	370824m	18.297	ug/l	
77) Bromobenzene	12.862	156	290719	19.684	ug/l	79
78) n-propylbenzene	12.921	91	1379749	19.719	ug/l	97
79) 2-Chlorotoluene	13.010	91	865944	19.586	ug/l	94
80) 1,3,5-Trimethylbenzene	13.061	105	1020535	20.165	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.629	75	101239	19.082	ug/l	86
82) 4-Chlorotoluene	13.106	91	809689	19.474	ug/l	93
83) tert-Butylbenzene	13.326	119	892147	19.908	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	993263	20.608	ug/l	97
85) sec-Butylbenzene	13.503	105	1213621	19.965	ug/l	97
86) p-Isopropyltoluene	13.619	119	946112	19.912	ug/l	96
87) 1,3-Dichlorobenzene	13.619	146	479372	19.757	ug/l	97
88) 1,4-Dichlorobenzene	13.696	146	464358	19.474	ug/l	96
89) n-Butylbenzene	13.943	91	746404	19.366	ug/l	98
90) Hexachloroethane	14.211	117	148650	17.820	ug/l	89
91) 1,2-Dichlorobenzene	13.991	146	468577	19.820	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.606	75	77002	19.598	ug/l	82
93) 1,2,4-Trichlorobenzene	15.265	180	207663	19.757	ug/l	98
94) Hexachlorobutadiene	15.370	225	123291	19.678	ug/l	98
95) Naphthalene	15.507	128	654176	21.416	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	210312	20.140	ug/l	98

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

