

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069977.D
 Acq On : 10 Dec 2021 23:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 11 05:27:26 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/11/2021
 Supervised By : Amit Patel 12/14/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	958126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1583261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1489717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	632958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	737875	49.878	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.760%		
35) Dibromofluoromethane	8.021	113	508914	51.316	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.640%		
50) Toluene-d8	10.443	98	1948506	48.932	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.860%		
62) 4-Bromofluorobenzene	12.731	95	722251	50.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.140%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	524270	46.914	ug/l	100
3) Chloromethane	2.303	50	631734	45.123	ug/l	99
4) Vinyl Chloride	2.448	62	601264	46.706	ug/l	99
5) Bromomethane	2.840	94	340477	48.682	ug/l	99
6) Chloroethane	3.011	64	364721	46.234	ug/l	100
7) Trichlorofluoromethane	3.373	101	798043	47.234	ug/l	96
8) Diethyl Ether	3.824	74	323231	49.672	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.208	101	468655	49.483	ug/l	96
10) Methyl Iodide	4.419	142	611699	47.278	ug/l	97
11) Tert butyl alcohol	5.382	59	629880	225.253	ug/l	97
12) 1,1-Dichloroethene	4.178	96	444029	48.652	ug/l	88
13) Acrolein	4.039	56	545417	229.040	ug/l	99
14) Allyl chloride	4.838	41	1040786	50.609	ug/l	92
15) Acrylonitrile	5.557	53	1815505	240.940	ug/l	98
16) Acetone	4.288	43	1719110	193.181	ug/l	97
17) Carbon Disulfide	4.527	76	1218853	51.694	ug/l	98
18) Methyl Acetate	4.857	43	1283861	47.797	ug/l	90
19) Methyl tert-butyl Ether	5.618	73	1766891	49.791	ug/l	95
20) Methylene Chloride	5.095	84	558779	47.234	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	475139	47.932	ug/l	85
22) Diisopropyl ether	6.498	45	2104729	52.361	ug/l #	94
23) Vinyl Acetate	6.434	43	8651285	264.549	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1069191	51.349	ug/l	98
25) 2-Butanone	7.335	43	2690869	222.550	ug/l	91
26) 2,2-Dichloropropane	7.327	77	762442	47.095	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	582421	48.630	ug/l	85
28) Bromochloromethane	7.657	49	574235	53.033	ug/l #	77
29) Tetrahydrofuran	7.686	42	1758866	239.562	ug/l	87
30) Chloroform	7.820	83	1057492	50.287	ug/l	100
31) Cyclohexane	8.094	56	966222	46.933	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	907921	50.686	ug/l	95
36) 1,1-Dichloropropene	8.222	75	754344	50.049	ug/l	96
37) Ethyl Acetate	7.413	43	1061017	47.297	ug/l	95
38) Carbon Tetrachloride	8.206	117	785314	53.133	ug/l	98
39) Methylcyclohexane	9.459	83	877232	48.931	ug/l	89
40) Benzene	8.461	78	2295796	49.833	ug/l	99

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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)
41) Methacrylonitrile	7.638	41	531486	50.470	ug/l	90
42) 1,2-Dichloroethane	8.531	62	929811	49.997	ug/l	96
43) Isopropyl Acetate	8.560	43	1681370	50.648	ug/l #	93
44) Trichloroethene	9.215	130	536143	48.759	ug/l	91
45) 1,2-Dichloropropane	9.491	63	637406	51.523	ug/l	100
46) Dibromomethane	9.577	93	411627	50.733	ug/l	92
47) Bromodichloromethane	9.762	83	871220	56.713	ug/l	99
48) Methyl methacrylate	9.561	41	783350	50.564	ug/l	86
49) 1,4-Dioxane	9.569	88	247968	892.037	ug/l #	81
51) 4-Methyl-2-Pentanone	10.331	43	5505623	255.648	ug/l	95
52) Toluene	10.505	92	1403547	49.901	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	896258	48.585	ug/l	97
54) cis-1,3-Dichloropropene	10.191	75	943150	48.686	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	574571	50.630	ug/l	98
56) Ethyl methacrylate	10.762	69	984946	46.181	ug/l #	84
57) 1,3-Dichloropropane	11.044	76	1011344	50.612	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1216002	213.213	ug/l	91
59) 2-Hexanone	11.087	43	3926049	240.991	ug/l	93
60) Dibromochloromethane	11.237	129	626098	51.420	ug/l	99
61) 1,2-Dibromoethane	11.347	107	587766	50.005	ug/l	99
64) Tetrachloroethene	10.977	164	462209	45.757	ug/l	95
65) Chlorobenzene	11.771	112	1499510	49.617	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	573742	53.937	ug/l	100
67) Ethyl Benzene	11.846	91	2807236	51.136	ug/l	96
68) m/p-Xylenes	11.953	106	2037072	101.912	ug/l	92
69) o-Xylene	12.280	106	1017001	50.512	ug/l	91
70) Styrene	12.294	104	1689081	52.906	ug/l	96
71) Bromoform	12.457	173	482722	52.891	ug/l #	100
73) Isopropylbenzene	12.578	105	2704055	48.016	ug/l	98
74) N-amyl acetate	12.388	43	1235481	49.608	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	921320	47.310	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	755347m	41.613	ug/l	
77) Bromobenzene	12.862	156	618570	46.763	ug/l	76
78) n-propylbenzene	12.919	91	3104576	49.541	ug/l	96
79) 2-Chlorotoluene	13.007	91	1888221	47.686	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2200423	48.545	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	272307	49.172	ug/l	97
82) 4-Chlorotoluene	13.104	91	1818636	48.837	ug/l	93
83) tert-Butylbenzene	13.324	119	1954074	48.686	ug/l	94
84) 1,2,4-Trimethylbenzene	13.367	105	2171643	50.307	ug/l	97
85) sec-Butylbenzene	13.501	105	2693321	49.472	ug/l	98
86) p-Isopropyltoluene	13.616	119	2143016	50.360	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1047653	48.210	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1015682	47.560	ug/l	97
89) n-Butylbenzene	13.943	91	1761701	51.035	ug/l	98
90) Hexachloroethane	14.211	117	431933	57.813	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1025202	48.419	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	179318	50.958	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	466116	45.179	ug/l	98
94) Hexachlorobutadiene	15.370	225	273395	48.721	ug/l	100
95) Naphthalene	15.507	128	1273880	41.885	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	454157	45.123	ug/l	98

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

