

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069904.D
 Acq On : 9 Dec 2021 11:33
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/10/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 10 06:11:24 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	1055015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1708493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1610776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	694827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	748423	45.945	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.900%		
35) Dibromofluoromethane	8.021	113	512871	47.925	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.840%		
50) Toluene-d8	10.440	98	1994321	46.411	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	92.820%		
62) 4-Bromofluorobenzene	12.731	95	738426	47.434	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	596503	48.476	ug/l	100
3) Chloromethane	2.303	50	696514	45.181	ug/l	99
4) Vinyl Chloride	2.448	62	663989	46.842	ug/l	99
5) Bromomethane	2.842	94	396346	51.466	ug/l	97
6) Chloroethane	3.014	64	404539	46.572	ug/l	98
7) Trichlorofluoromethane	3.376	101	888041	47.733	ug/l	96
8) Diethyl Ether	3.824	74	357713	49.923	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.208	101	542350	52.006	ug/l	95
10) Methyl Iodide	4.419	142	701723	49.255	ug/l	98
11) Tert butyl alcohol	5.377	59	608212	197.529	ug/l	99
12) 1,1-Dichloroethene	4.178	96	488382	48.598	ug/l	87
13) Acrolein	4.039	56	797765	304.243	ug/l	99
14) Allyl chloride	4.838	41	1154150	50.967	ug/l	93
15) Acrylonitrile	5.551	53	1930524	232.675	ug/l	100
16) Acetone	4.283	43	2463745	251.432	ug/l	96
17) Carbon Disulfide	4.527	76	1312179	50.541	ug/l	100
18) Methyl Acetate	4.851	43	1375600	46.509	ug/l	92
19) Methyl tert-butyl Ether	5.616	73	1962191	50.216	ug/l	95
20) Methylene Chloride	5.093	84	606808	46.583	ug/l #	84
21) trans-1,2-Dichloroethene	5.594	96	524056	48.011	ug/l	84
22) Diisopropyl ether	6.495	45	2301278	51.993	ug/l #	95
23) Vinyl Acetate	6.431	43	9616154	267.049	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1164114	50.773	ug/l	98
25) 2-Butanone	7.332	43	3098906	232.759	ug/l	90
26) 2,2-Dichloropropane	7.324	77	963383	54.042	ug/l	95
27) cis-1,2-Dichloroethene	7.324	96	645855	48.974	ug/l	85
28) Bromochloromethane	7.659	49	599674	50.297	ug/l #	77
29) Tetrahydrofuran	7.683	42	1817632	224.831	ug/l	88
30) Chloroform	7.817	83	1159102	50.057	ug/l	100
31) Cyclohexane	8.094	56	1083871	47.812	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	998974	50.648	ug/l	96
36) 1,1-Dichloropropene	8.220	75	834844	51.330	ug/l	96
37) Ethyl Acetate	7.412	43	1131415	46.738	ug/l	95
38) Carbon Tetrachloride	8.206	117	858616	53.835	ug/l	100
39) Methylcyclohexane	9.459	83	1033500	53.422	ug/l	89
40) Benzene	8.458	78	2515125	50.592	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	590214	51.939	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	1029192	51.284	ug/l	96
43) Isopropyl Acetate	8.560	43	1826044	50.974	ug/l #	93
44) Trichloroethene	9.215	130	595896	50.220	ug/l	90
45) 1,2-Dichloropropane	9.488	63	697401	52.240	ug/l	100
46) Dibromomethane	9.577	93	448081	51.178	ug/l	92
47) Bromodichloromethane	9.759	83	934922	56.399	ug/l	99
48) Methyl methacrylate	9.558	41	909264	54.389	ug/l #	83
49) 1,4-Dioxane	9.569	88	239291	797.724	ug/l #	84
51) 4-Methyl-2-Pentanone	10.328	43	5795081	249.365	ug/l	95
52) Toluene	10.505	92	1552133	51.139	ug/l	99
53) t-1,3-Dichloropropene	10.717	75	1013663	50.787	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1071952	51.173	ug/l	90
55) 1,1,2-Trichloroethane	10.896	97	627953	51.278	ug/l	97
56) Ethyl methacrylate	10.760	69	1089843	47.295	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1105486	51.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1380960	223.425	ug/l	90
59) 2-Hexanone	11.084	43	4347650	247.309	ug/l	93
60) Dibromochloromethane	11.237	129	677127	51.530	ug/l	99
61) 1,2-Dibromoethane	11.344	107	651344	51.352	ug/l	99
64) Tetrachloroethene	10.977	164	526817	48.234	ug/l	95
65) Chlorobenzene	11.768	112	1660687	50.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	625973	54.425	ug/l	100
67) Ethyl Benzene	11.843	91	3115523	52.486	ug/l	95
68) m/p-Xylenes	11.953	106	2284636	105.707	ug/l	91
69) o-Xylene	12.278	106	1130954	51.950	ug/l	92
70) Styrene	12.294	104	1887738	54.684	ug/l	95
71) Bromoform	12.457	173	509078	51.654	ug/l #	100
73) Isopropylbenzene	12.578	105	3001980	48.560	ug/l	98
74) N-amyl acetate	12.388	43	1352780	49.481	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	984602	46.058	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	1002810m	50.327	ug/l	
77) Bromobenzene	12.860	156	686324	47.265	ug/l	77
78) n-propylbenzene	12.919	91	3503179	50.924	ug/l	96
79) 2-Chlorotoluene	13.007	91	2120579	48.785	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2484133	49.924	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	305265	50.129	ug/l	98
82) 4-Chlorotoluene	13.104	91	2058130	50.347	ug/l	92
83) tert-Butylbenzene	13.321	119	2152913	48.864	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2435949	51.405	ug/l	97
85) sec-Butylbenzene	13.501	105	3047066	50.986	ug/l	98
86) p-Isopropyltoluene	13.616	119	2453859	52.530	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1176567	49.321	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1151297	49.110	ug/l	97
89) n-Butylbenzene	13.943	91	2072868	54.702	ug/l	97
90) Hexachloroethane	14.209	117	464624	56.651	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	1130165	48.623	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	186043	48.161	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	550010	48.348	ug/l	98
94) Hexachlorobutadiene	15.367	225	335674	54.493	ug/l	98
95) Naphthalene	15.504	128	1428633	42.705	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	530088	47.823	ug/l	99

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

