

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121021\
 Data File : VN069975.D
 Acq On : 10 Dec 2021 22:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 05:26:46 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	8.085	168	1010361	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	1668979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1565171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	674033	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	744150	47.702	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.400%
35) Dibromofluoromethane	8.021	113	523839	50.108	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.220%
50) Toluene-d8	10.443	98	2004304	47.748	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.731	95	726954	47.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.600%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.073	85	476875	40.467	ug/l	99
3) Chloromethane	2.303	50	580335	39.309	ug/l	99
4) Vinyl Chloride	2.448	62	549172	40.454	ug/l	99
5) Bromomethane	2.837	94	286423	38.836	ug/l	98
6) Chloroethane	3.011	64	335054	40.277	ug/l	99
7) Trichlorofluoromethane	3.371	101	735728	41.294	ug/l	98
8) Diethyl Ether	3.821	74	295551	43.071	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.205	101	435177	43.573	ug/l	96
10) Methyl Iodide	4.417	142	538583	39.474	ug/l	97
11) Tert butyl alcohol	5.382	59	589766	200.004	ug/l	99
12) 1,1-Dichloroethene	4.178	96	410521	42.656	ug/l	88
13) Acrolein	4.038	56	602561	239.955	ug/l	98
14) Allyl chloride	4.838	41	962575	44.386	ug/l	92
15) Acrylonitrile	5.554	53	1670957	210.292	ug/l	98
16) Acetone	4.288	43	1583465	168.739	ug/l	96
17) Carbon Disulfide	4.524	76	1109000	44.603	ug/l	98
18) Methyl Acetate	4.854	43	1177888	41.584	ug/l	90
19) Methyl tert-butyl Ether	5.618	73	1635332	43.701	ug/l	96
20) Methylene Chloride	5.092	84	511008	40.962	ug/l	# 84
21) trans-1,2-Dichloroethene	5.597	96	439814	42.074	ug/l	86
22) Diisopropyl ether	6.498	45	1925198	45.419	ug/l	# 95
23) Vinyl Acetate	6.433	43	7066238	204.908	ug/l	# 94
24) 1,1-Dichloroethane	6.385	63	968290	44.099	ug/l	98
25) 2-Butanone	7.337	43	2472724	193.935	ug/l	91
26) 2,2-Dichloropropane	7.324	77	704058	41.240	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	536562	42.485	ug/l	85
28) Bromochloromethane	7.656	49	485425	42.514	ug/l	# 76
29) Tetrahydrofuran	7.686	42	1615417	208.649	ug/l	87
30) Chloroform	7.817	83	974255	43.934	ug/l	98
31) Cyclohexane	8.094	56	898378	41.381	ug/l	88
32) 1,1,1-Trichloroethane	8.013	97	844354	44.700	ug/l	96
36) 1,1-Dichloropropene	8.220	75	695734	43.789	ug/l	96
37) Ethyl Acetate	7.412	43	957837	40.505	ug/l	96
38) Carbon Tetrachloride	8.206	117	717518	46.053	ug/l	99
39) Methylcyclohexane	9.461	83	805831	42.640	ug/l	89
40) Benzene	8.461	78	2096799	43.176	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	520294	46.870	ug/l #	84
42) 1,2-Dichloroethane	8.531	62	844429	43.074	ug/l	97
43) Isopropyl Acetate	8.560	43	1536061	43.894	ug/l #	92
44) Trichloroethene	9.215	130	488706	42.162	ug/l	90
45) 1,2-Dichloropropane	9.491	63	580982	44.550	ug/l	100
46) Dibromomethane	9.579	93	375686	43.925	ug/l	93
47) Bromodichloromethane	9.762	83	788437	48.688	ug/l	99
48) Methyl methacrylate	9.561	41	718928	44.022	ug/l	87
49) 1,4-Dioxane	9.571	88	229923	784.641	ug/l #	84
51) 4-Methyl-2-Pentanone	10.330	43	5034576	221.769	ug/l	95
52) Toluene	10.505	92	1284138	43.311	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	809752	42.040	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	868495	42.783	ug/l #	89
55) 1,1,2-Trichloroethane	10.899	97	522710	43.695	ug/l	98
56) Ethyl methacrylate	10.762	69	898389	40.266	ug/l #	85
57) 1,3-Dichloropropane	11.044	76	932592	44.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1194282	199.906	ug/l	90
59) 2-Hexanone	11.084	43	3615885	210.553	ug/l	92
60) Dibromochloromethane	11.237	129	575790	45.163	ug/l	99
61) 1,2-Dibromoethane	11.347	107	538992	43.500	ug/l	98
64) Tetrachloroethene	10.977	164	416235	39.220	ug/l	95
65) Chlorobenzene	11.771	112	1352633	42.599	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.840	131	522428	46.746	ug/l	99
67) Ethyl Benzene	11.846	91	2550022	44.211	ug/l	96
68) m/p-Xylenes	11.953	106	1862667	88.694	ug/l	92
69) o-Xylene	12.280	106	925908	43.770	ug/l	91
70) Styrene	12.294	104	1530904	45.639	ug/l	95
71) Bromoform	12.457	173	443521	46.596	ug/l #	100
73) Isopropylbenzene	12.578	105	2461290	41.042	ug/l	98
74) N-amyl acetate	12.387	43	1132264	42.693	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.827	83	852785	41.122	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	730167m	37.774	ug/l	
77) Bromobenzene	12.859	156	569348	40.419	ug/l	78
78) n-propylbenzene	12.921	91	2828066	42.379	ug/l	96
79) 2-Chlorotoluene	13.007	91	1726327	40.940	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	2006033	41.560	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	247207	42.518	ug/l	96
82) 4-Chlorotoluene	13.106	91	1649915	41.607	ug/l	92
83) tert-Butylbenzene	13.323	119	1777307	41.584	ug/l	93
84) 1,2,4-Trimethylbenzene	13.369	105	1935389	42.102	ug/l	98
85) sec-Butylbenzene	13.500	105	2446597	42.202	ug/l	98
86) p-Isopropyltoluene	13.616	119	1946842	42.962	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	957168	41.362	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	929662	40.879	ug/l	97
89) n-Butylbenzene	13.943	91	1589673	43.245	ug/l	97
90) Hexachloroethane	14.211	117	394737	49.615	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	939404	41.663	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	163354	43.592	ug/l	78
93) 1,2,4-Trichlorobenzene	15.265	180	426687	39.241	ug/l	98
94) Hexachlorobutadiene	15.370	225	253155	42.365	ug/l	99
95) Naphthalene	15.507	128	1165772	36.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	420804	39.578	ug/l	98

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

