

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
 Data File : VN069850.D
 Acq On : 8 Dec 2021 7:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Amit Patel 12/14/2021

Quant Time: Dec 08 07:46:50 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	1075533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1784682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1668390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	707939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	767754	46.233	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.460%		
35) Dibromofluoromethane	8.021	113	531948	47.585	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.180%		
50) Toluene-d8	10.440	98	2104860	46.893	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	93.780%		
62) 4-Bromofluorobenzene	12.731	95	761749	46.844	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.680%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	597491	47.630	ug/l	99
3) Chloromethane	2.303	50	722867	45.996	ug/l	98
4) Vinyl Chloride	2.451	62	690487	47.782	ug/l	98
5) Bromomethane	2.850	94	386924	49.284	ug/l	100
6) Chloroethane	3.019	64	416062	46.985	ug/l	99
7) Trichlorofluoromethane	3.379	101	894828	47.181	ug/l	98
8) Diethyl Ether	3.824	74	355896	48.722	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.210	101	514341	48.379	ug/l	96
10) Methyl Iodide	4.422	142	702784	48.388	ug/l	97
11) Tert butyl alcohol	5.377	59	577405	183.946	ug/l	98
12) 1,1-Dichloroethene	4.183	96	489339	47.764	ug/l	87
13) Acrolein	4.041	56	726040	271.607	ug/l	99
14) Allyl chloride	4.843	41	1086055	47.045	ug/l	94
15) Acrylonitrile	5.554	53	1868663	220.923	ug/l	99
16) Acetone	4.285	43	1700090	170.189	ug/l	97
17) Carbon Disulfide	4.532	76	1256022	47.455	ug/l	99
18) Methyl Acetate	4.854	43	1307808	43.373	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	1928519	48.413	ug/l	95
20) Methylene Chloride	5.095	84	610726	45.989	ug/l #	84
21) trans-1,2-Dichloroethene	5.599	96	522667	46.971	ug/l	85
22) Diisopropyl ether	6.498	45	2300212	50.978	ug/l	94
23) Vinyl Acetate	6.433	43	9204692	250.745	ug/l #	94
24) 1,1-Dichloroethane	6.388	63	1161935	49.711	ug/l	98
25) 2-Butanone	7.335	43	2700209	198.944	ug/l	90
26) 2,2-Dichloropropane	7.327	77	728455	40.084	ug/l	97
27) cis-1,2-Dichloroethene	7.327	96	640997	47.679	ug/l	86
28) Bromochloromethane	7.659	49	586526	48.255	ug/l #	77
29) Tetrahydrofuran	7.683	42	1780047	215.981	ug/l	87
30) Chloroform	7.817	83	1158819	49.090	ug/l	99
31) Cyclohexane	8.096	56	1081591	46.802	ug/l	88
32) 1,1,1-Trichloroethane	8.016	97	986882	49.080	ug/l	95
36) 1,1-Dichloropropene	8.222	75	842055	49.563	ug/l	96
37) Ethyl Acetate	7.412	43	1107919	43.814	ug/l	95
38) Carbon Tetrachloride	8.206	117	827634	49.677	ug/l	99
39) Methylcyclohexane	9.459	83	1001711	49.568	ug/l	90
40) Benzene	8.458	78	2560207	49.300	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	566750	47.745	ug/l #	89
42) 1,2-Dichloroethane	8.531	62	1024076	48.851	ug/l	96
43) Isopropyl Acetate	8.560	43	1755286	46.907	ug/l #	94
44) Trichloroethene	9.215	130	610271	49.236	ug/l	93
45) 1,2-Dichloropropane	9.488	63	697457	50.014	ug/l	98
46) Dibromomethane	9.577	93	444830	48.638	ug/l	93
47) Bromodichloromethane	9.762	83	893428	51.595	ug/l	99
48) Methyl methacrylate	9.558	41	888462	50.876	ug/l #	83
49) 1,4-Dioxane	9.569	88	230684	736.201	ug/l #	85
51) 4-Methyl-2-Pentanone	10.330	43	5664344	233.334	ug/l	95
52) Toluene	10.505	92	1572050	49.584	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	928490	44.878	ug/l	98
54) cis-1,3-Dichloropropene	10.188	75	997281	45.794	ug/l #	88
55) 1,1,2-Trichloroethane	10.896	97	632882	49.474	ug/l	98
56) Ethyl methacrylate	10.759	69	1061549	44.255	ug/l #	86
57) 1,3-Dichloropropane	11.044	76	1129184	50.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	1086348	172.797	ug/l	91
59) 2-Hexanone	11.084	43	3926752	213.831	ug/l	93
60) Dibromochloromethane	11.237	129	639990	46.850	ug/l	100
61) 1,2-Dibromoethane	11.344	107	655659	49.485	ug/l	98
64) Tetrachloroethene	10.977	164	563677	49.826	ug/l	95
65) Chlorobenzene	11.771	112	1668818	49.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	620956	52.124	ug/l	98
67) Ethyl Benzene	11.843	91	3148905	51.217	ug/l	95
68) m/p-Xylenes	11.953	106	2281010	101.895	ug/l	92
69) o-Xylene	12.280	106	1142589	50.672	ug/l	92
70) Styrene	12.294	104	1868364	52.254	ug/l	96
71) Bromoform	12.457	173	458513	45.273	ug/l #	100
73) Isopropylbenzene	12.578	105	3016581	47.892	ug/l	98
74) N-amyl acetate	12.387	43	1248902	44.835	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.825	83	974145	44.725	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	928997m	45.759	ug/l	
77) Bromobenzene	12.859	156	691952	46.770	ug/l	80
78) n-propylbenzene	12.918	91	3408041	48.624	ug/l	96
79) 2-Chlorotoluene	13.007	91	2098091	47.374	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2476756	48.854	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.623	75	242552	39.987	ug/l	94
82) 4-Chlorotoluene	13.104	91	2001911	48.065	ug/l	92
83) tert-Butylbenzene	13.323	119	2153187	47.965	ug/l	93
84) 1,2,4-Trimethylbenzene	13.366	105	2399931	49.707	ug/l	98
85) sec-Butylbenzene	13.500	105	2947856	48.413	ug/l	98
86) p-Isopropyltoluene	13.616	119	2340130	49.167	ug/l	96
87) 1,3-Dichlorobenzene	13.616	146	1139637	46.888	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	1096044	45.887	ug/l	97
89) n-Butylbenzene	13.940	91	1836430	47.565	ug/l	97
90) Hexachloroethane	14.211	117	414250	49.574	ug/l	88
91) 1,2-Dichlorobenzene	13.989	146	1103158	46.582	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	166184	42.224	ug/l	79
93) 1,2,4-Trichlorobenzene	15.262	180	468820	40.918	ug/l	98
94) Hexachlorobutadiene	15.370	225	283942	45.241	ug/l	98
95) Naphthalene	15.507	128	1207192	36.097	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	454156	40.602	ug/l	99

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

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