

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061521\
 Data File : VD069439.D
 Acq On : 15 Jun 2021 12:07
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 12:56:10 PM

Quant Time: Jun 16 01:58:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	438682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	686299	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	650518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	321642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225337	45.532	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.060%
35) Dibromofluoromethane	7.914	113	247355	48.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.240%
50) Toluene-d8	10.338	98	956870	50.895	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.800%
62) 4-Bromofluorobenzene	12.626	95	307283	50.938	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	212629	48.651	ug/l	98
3) Chloromethane	2.209	50	192750	44.088	ug/l	99
4) Vinyl Chloride	2.350	62	257383	48.675	ug/l	98
5) Bromomethane	2.762	94	191982	47.801	ug/l	94
6) Chloroethane	2.920	64	167466	46.033	ug/l	95
7) Trichlorofluoromethane	3.273	101	412642	47.710	ug/l	99
8) Diethyl Ether	3.709	74	104640	48.191	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	249530	48.516	ug/l	99
10) Methyl Iodide	4.303	142	245226	46.453	ug/l	98
11) Tert butyl alcohol	5.214	59	59535	231.388	ug/l	100
12) 1,1-Dichloroethene	4.067	96	229486	49.325	ug/l	96
13) Acrolein	3.920	56	86392	269.338	ug/l	95
14) Allyl chloride	4.709	41	281277	51.403	ug/l	98
15) Acrylonitrile	5.420	53	194680	233.353	ug/l	98
16) Acetone	4.150	43	202710	247.455	ug/l	99
17) Carbon Disulfide	4.403	76	750082	49.841	ug/l	100
18) Methyl Acetate	4.714	43	90914	45.350	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	421073	49.640	ug/l	98
20) Methylene Chloride	4.961	84	311076	52.235	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	275259	50.531	ug/l	95
22) Diisopropyl ether	6.361	45	560505	51.518	ug/l #	94
23) Vinyl Acetate	6.303	43	1601255	230.357	ug/l	99
24) 1,1-Dichloroethane	6.261	63	437099	48.260	ug/l	98
25) 2-Butanone	7.214	43	254377	249.030	ug/l	100
26) 2,2-Dichloropropane	7.208	77	410077	51.387	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	295667	50.145	ug/l	99
28) Bromochloromethane	7.538	49	158713	47.834	ug/l	96
29) Tetrahydrofuran	7.561	42	142772	248.368	ug/l	100
30) Chloroform	7.708	83	480088	47.573	ug/l	97
31) Cyclohexane	7.985	56	335035	49.819	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	432899	48.830	ug/l	99
36) 1,1-Dichloropropene	8.108	75	374806	52.447	ug/l	100
37) Ethyl Acetate	7.291	43	116420	48.693	ug/l	98
38) Carbon Tetrachloride	8.097	117	389156	50.270	ug/l	96
39) Methylcyclohexane	9.349	83	394021	54.815	ug/l	98
40) Benzene	8.350	78	1038463	49.927	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	59925	50.380	ug/l	87
42) 1,2-Dichloroethane	8.420	62	270881	47.463	ug/l	100
43) Isopropyl Acetate	8.450	43	215455	47.658	ug/l	100
44) Trichloroethene	9.108	130	289762	49.953	ug/l	98
45) 1,2-Dichloropropane	9.385	63	253067	49.842	ug/l	99
46) Dibromomethane	9.473	93	140296	48.224	ug/l	96
47) Bromodichloromethane	9.655	83	359200	47.889	ug/l	95
48) Methyl methacrylate	9.455	41	98230	47.778	ug/l #	85
49) 1,4-Dioxane	9.461	88	28920	1020.785	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	572442	248.181	ug/l	99
52) Toluene	10.402	92	693757	52.530	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	319655	49.754	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	384393	49.771	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	193857	48.206	ug/l	99
56) Ethyl methacrylate	10.655	69	211955	46.373	ug/l	97
57) 1,3-Dichloropropane	10.944	76	321178	49.063	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	539852	234.292	ug/l	99
59) 2-Hexanone	10.979	43	408345	265.220	ug/l	99
60) Dibromochloromethane	11.138	129	243788	47.567	ug/l	99
61) 1,2-Dibromoethane	11.243	107	186624	48.312	ug/l	100
64) Tetrachloroethene	10.873	164	245977	48.892	ug/l	96
65) Chlorobenzene	11.667	112	722948	50.527	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	268889	48.961	ug/l	99
67) Ethyl Benzene	11.738	91	1300147	54.183	ug/l	98
68) m/p-Xylenes	11.849	106	1031256	108.193	ug/l	99
69) o-Xylene	12.179	106	456485	54.124	ug/l	99
70) Styrene	12.190	104	796893	53.700	ug/l	99
71) Bromoform	12.355	173	138636	48.760	ug/l #	99
73) Isopropylbenzene	12.473	105	1254851	55.492	ug/l	98
74) N-amyl acetate	12.285	43	203387	50.137	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	205435	47.318	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	149610m	45.880	ug/l	
77) Bromobenzene	12.755	156	285840	50.415	ug/l	99
78) n-propylbenzene	12.814	91	1539682	55.483	ug/l	100
79) 2-Chlorotoluene	12.902	91	844020	53.505	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	1061246	55.670	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	62258	50.933	ug/l	96
82) 4-Chlorotoluene	12.996	91	885565	52.749	ug/l	100
83) tert-Butylbenzene	13.214	119	903366	55.664	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1058655	55.546	ug/l	99
85) sec-Butylbenzene	13.396	105	1327342	55.635	ug/l	99
86) p-Isopropyltoluene	13.508	119	1155806	55.765	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	574488	50.595	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	555598	49.123	ug/l	98
89) n-Butylbenzene	13.837	91	1078458	55.933	ug/l	99
90) Hexachloroethane	14.102	117	202263	50.135	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	488208	49.283	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	31598	48.327	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	300774	52.180	ug/l	99
94) Hexachlorobutadiene	15.255	225	190822	52.942	ug/l	97
95) Naphthalene	15.390	128	509850	46.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	263727	52.697	ug/l	99

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

