

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072699.D
 Acq On : 22 Apr 2022 17:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 23:47:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	379967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	621425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	582698	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	301093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	233078	50.708	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.420%			
35) Dibromofluoromethane	7.909	113	240910	49.885	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.760%			
50) Toluene-d8	10.332	98	800011	47.656	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.320%			
62) 4-Bromofluorobenzene	12.620	95	329395	50.242	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.480%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	124150	41.170	ug/l	100
3) Chloromethane	2.209	50	133800	47.971	ug/l	98
4) Vinyl Chloride	2.344	62	140090	43.817	ug/l	98
5) Bromomethane	2.756	94	96463	44.881	ug/l	92
6) Chloroethane	2.915	64	98145	47.774	ug/l	96
7) Trichlorofluoromethane	3.268	101	317860	48.562	ug/l	99
8) Diethyl Ether	3.709	74	97217	49.980	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	206004	47.192	ug/l	97
10) Methyl Iodide	4.297	142	162769	40.749	ug/l	100
11) Tert butyl alcohol	5.215	59	107856	444.339	ug/l #	93
12) 1,1-Dichloroethene	4.062	96	165797	48.581	ug/l	93
13) Acrolein	3.920	56	19197	178.218	ug/l	99
14) Allyl chloride	4.715	41	282935	47.275	ug/l	92
15) Acrylonitrile	5.415	53	254755	261.888	ug/l	97
16) Acetone	4.156	43	191841	223.830	ug/l	92
17) Carbon Disulfide	4.409	76	308529	42.341	ug/l	99
18) Methyl Acetate	4.715	43	108337	44.867	ug/l #	88
19) Methyl tert-butyl Ether	5.473	73	541439	54.355	ug/l	97
20) Methylene Chloride	4.956	84	259756	50.908	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	190449	45.785	ug/l	91
22) Diisopropyl ether	6.362	45	713237	52.017	ug/l #	91
23) Vinyl Acetate	6.303	43	1886692	255.677	ug/l #	92
24) 1,1-Dichloroethane	6.262	63	414381	50.152	ug/l	98
25) 2-Butanone	7.209	43	313559	264.524	ug/l	93
26) 2,2-Dichloropropane	7.203	77	362765	49.430	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	256423	49.486	ug/l	92
28) Bromochloromethane	7.538	49	186480	52.674	ug/l #	79
29) Tetrahydrofuran	7.561	42	192282	268.678	ug/l #	88
30) Chloroform	7.703	83	458159	49.294	ug/l	99
31) Cyclohexane	7.979	56	294713	49.036	ug/l	92
32) 1,1,1-Trichloroethane	7.903	97	399178	50.637	ug/l	95
36) 1,1-Dichloropropene	8.103	75	285427	46.333	ug/l	95
37) Ethyl Acetate	7.291	43	140351	54.848	ug/l #	94
38) Carbon Tetrachloride	8.091	117	334857	50.330	ug/l	98
39) Methylcyclohexane	9.350	83	352274	49.070	ug/l	98
40) Benzene	8.344	78	857460	50.840	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	98796	65.530	ug/l	91
42) 1,2-Dichloroethane	8.420	62	272301	52.821	ug/l	94
43) Isopropyl Acetate	8.450	43	281148	57.278	ug/l #	93
44) Trichloroethene	9.108	130	237792	49.662	ug/l	95
45) 1,2-Dichloropropane	9.379	63	237928	50.712	ug/l	94
46) Dibromomethane	9.467	93	128083	52.034	ug/l	97
47) Bromodichloromethane	9.655	83	356757	50.449	ug/l	98
48) Methyl methacrylate	9.450	41	137514	57.705	ug/l	91
49) 1,4-Dioxane	9.450	88	30893	1055.058	ug/l #	92
51) 4-Methyl-2-Pentanone	10.220	43	737876	280.157	ug/l	91
52) Toluene	10.397	92	574094	51.237	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	323641	52.519	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	366716	50.333	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	195839	52.479	ug/l	98
56) Ethyl methacrylate	10.650	69	239568	52.159	ug/l #	84
57) 1,3-Dichloropropane	10.938	76	317391	51.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	557109	302.388	ug/l	95
59) 2-Hexanone	10.973	43	502877	280.775	ug/l	94
60) Dibromochloromethane	11.132	129	245299	50.958	ug/l	99
61) 1,2-Dibromoethane	11.238	107	175130	52.857	ug/l	99
64) Tetrachloroethene	10.867	164	179699	47.201	ug/l	90
65) Chlorobenzene	11.661	112	632416	48.544	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	260321	49.980	ug/l	99
67) Ethyl Benzene	11.738	91	1134335	49.901	ug/l	98
68) m/p-Xylenes	11.844	106	867208	100.557	ug/l	98
69) o-Xylene	12.167	106	423197	50.860	ug/l	96
70) Styrene	12.185	104	738481	50.358	ug/l	98
71) Bromoform	12.349	173	141877	51.383	ug/l #	99
73) Isopropylbenzene	12.467	105	1160417	47.721	ug/l	100
74) N-amyl acetate	12.279	43	271332	53.180	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	222572	48.324	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	156955m	47.795	ug/l	
77) Bromobenzene	12.749	156	262400	48.144	ug/l	93
78) n-propylbenzene	12.808	91	1394494	47.537	ug/l	99
79) 2-Chlorotoluene	12.896	91	803946	46.863	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	973297	46.735	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	66638	49.793	ug/l	89
82) 4-Chlorotoluene	12.991	91	841402	47.092	ug/l	99
83) tert-Butylbenzene	13.208	119	847382	47.000	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	963507	47.312	ug/l	100
85) sec-Butylbenzene	13.385	105	1278562	47.080	ug/l	99
86) p-Isopropyltoluene	13.502	119	1060599	47.780	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	520880	46.122	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	517850	45.495	ug/l	99
89) n-Butylbenzene	13.826	91	998193	47.205	ug/l	99
90) Hexachloroethane	14.096	117	208091	45.793	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	467308	46.914	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	35673	52.370	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	289551	46.896	ug/l	99
94) Hexachlorobutadiene	15.249	225	156685	45.305	ug/l	98
95) Naphthalene	15.379	128	573607	47.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	253285	47.002	ug/l	99

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

