

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073580.D
 Acq On : 14 Jun 2022 20:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 15 01:38:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	331530	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	560349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	543017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182882	51.404	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.800%			
35) Dibromofluoromethane	7.908	113	187393	52.006	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.020%			
50) Toluene-d8	10.332	98	723866	53.134	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.620	95	266647	53.915	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.820%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	135262	42.782	ug/l	97
3) Chloromethane	2.209	50	149410	46.081	ug/l	98
4) Vinyl Chloride	2.344	62	141902	46.676	ug/l	97
5) Bromomethane	2.750	94	97627	44.795	ug/l	90
6) Chloroethane	2.909	64	92395	47.692	ug/l	96
7) Trichlorofluoromethane	3.262	101	277901	46.650	ug/l	97
8) Diethyl Ether	3.703	74	85971	50.427	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	163653	48.034	ug/l	94
10) Methyl Iodide	4.291	142	181681	44.869	ug/l	95
11) Tert butyl alcohol	5.209	59	92640	148.176	ug/l #	85
12) 1,1-Dichloroethene	4.056	96	155693	48.129	ug/l	83
13) Acrolein	3.915	56	18480	117.935	ug/l	100
14) Allyl chloride	4.703	41	249827	51.876	ug/l #	89
15) Acrylonitrile	5.409	53	202837	264.949	ug/l	99
16) Acetone	4.156	43	146748	234.259	ug/l	95
17) Carbon Disulfide	4.403	76	468896	45.729	ug/l	98
18) Methyl Acetate	4.714	43	88948	50.358	ug/l #	91
19) Methyl tert-butyl Ether	5.467	73	412294	53.403	ug/l	97
20) Methylene Chloride	4.956	84	220537	56.617	ug/l	88
21) trans-1,2-Dichloroethene	5.462	96	191993	49.062	ug/l	93
22) Diisopropyl ether	6.356	45	570840	54.930	ug/l #	91
23) Vinyl Acetate	6.297	43	1563882	277.398	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	342493	51.414	ug/l	99
25) 2-Butanone	7.203	43	245411	266.248	ug/l #	90
26) 2,2-Dichloropropane	7.203	77	271394	45.442	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	221352	52.326	ug/l	89
28) Bromochloromethane	7.538	49	136654	52.268	ug/l #	74
29) Tetrahydrofuran	7.556	42	163807	278.585	ug/l #	88
30) Chloroform	7.703	83	368154	51.728	ug/l	98
31) Cyclohexane	7.979	56	287146	47.912	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	312891	49.895	ug/l	94
36) 1,1-Dichloropropene	8.103	75	260955	48.219	ug/l	95
37) Ethyl Acetate	7.285	43	115264	52.727	ug/l #	95
38) Carbon Tetrachloride	8.091	117	275227	48.615	ug/l	98
39) Methylcyclohexane	9.350	83	305816	48.491	ug/l	95
40) Benzene	8.344	78	784576	49.840	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	60617	51.147	ug/l #	84
42) 1,2-Dichloroethane	8.414	62	218743	50.259	ug/l	94
43) Isopropyl Acetate	8.444	43	217789	51.781	ug/l #	92
44) Trichloroethene	9.102	130	218030	49.728	ug/l	91
45) 1,2-Dichloropropane	9.379	63	196541	50.399	ug/l	98
46) Dibromomethane	9.467	93	112803	51.348	ug/l	92
47) Bromodichloromethane	9.655	83	274814	49.924	ug/l #	97
48) Methyl methacrylate	9.450	41	111680	53.604	ug/l #	88
49) 1,4-Dioxane	9.450	88	26059	1031.334	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	581444	273.210	ug/l	90
52) Toluene	10.391	92	518720	51.377	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	261443	50.640	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	308315	50.991	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	160792	51.319	ug/l	97
56) Ethyl methacrylate	10.655	69	197832	55.110	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	263977	51.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	395938	268.266	ug/l	95
59) 2-Hexanone	10.973	43	394139	270.423	ug/l	91
60) Dibromochloromethane	11.132	129	197778	51.145	ug/l	99
61) 1,2-Dibromoethane	11.238	107	154062	51.607	ug/l	99
64) Tetrachloroethene	10.867	164	173123	46.830	ug/l	95
65) Chlorobenzene	11.661	112	552762	49.475	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	210253	49.598	ug/l	99
67) Ethyl Benzene	11.732	91	984946	50.446	ug/l	99
68) m/p-Xylenes	11.844	106	761534	99.391	ug/l	99
69) o-Xylene	12.167	106	362771	51.455	ug/l	95
70) Styrene	12.185	104	627311	51.584	ug/l	98
71) Bromoform	12.349	173	119321	51.477	ug/l #	99
73) Isopropylbenzene	12.467	105	946351	51.342	ug/l	98
74) N-amyl acetate	12.279	43	216350	52.762	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	176311	50.387	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	126722m	49.053	ug/l	
77) Bromobenzene	12.749	156	227713	50.585	ug/l	91
78) n-propylbenzene	12.808	91	1165827	50.813	ug/l	98
79) 2-Chlorotoluene	12.896	91	678063	50.843	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	814945	51.263	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	58128	52.813	ug/l	85
82) 4-Chlorotoluene	12.991	91	711165	50.581	ug/l	97
83) tert-Butylbenzene	13.208	119	679557	50.577	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	821372	51.767	ug/l	99
85) sec-Butylbenzene	13.385	105	1031676	51.257	ug/l	98
86) p-Isopropyltoluene	13.502	119	857269	51.094	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	454491	49.445	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	445635	49.007	ug/l	99
89) n-Butylbenzene	13.826	91	797839	50.408	ug/l	98
90) Hexachloroethane	14.096	117	168095	48.378	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	399883	50.439	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	27538	49.277	ug/l	77
93) 1,2,4-Trichlorobenzene	15.143	180	239516	50.451	ug/l	100
94) Hexachlorobutadiene	15.249	225	122481	47.032	ug/l	98
95) Naphthalene	15.379	128	468783	48.905	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	209202	50.466	ug/l	98

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

