

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073068.D
 Acq On : 17 May 2022 20:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/18/2022
 Supervised By : Mahesh Dadoda 05/18/2022

Quant Time: May 18 05:11:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	330144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	555945	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	538268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	190928	46.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.480%		
35) Dibromofluoromethane	7.909	113	191970	49.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.332	98	711566	50.250	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.500%		
62) 4-Bromofluorobenzene	12.620	95	254850	49.689	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.380%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	149955	36.324	ug/l	97
3) Chloromethane	2.209	50	163763	38.479	ug/l	100
4) Vinyl Chloride	2.344	62	153436	39.200	ug/l	98
5) Bromomethane	2.756	94	107967	38.836	ug/l	95
6) Chloroethane	2.915	64	100343	41.167	ug/l	100
7) Trichlorofluoromethane	3.262	101	290682	40.582	ug/l	98
8) Diethyl Ether	3.709	74	86822	44.297	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.085	101	171401	40.409	ug/l	97
10) Methyl Iodide	4.297	142	195695	40.530	ug/l	99
11) Tert butyl alcohol	5.220	59	89717	140.488	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	165477	43.142	ug/l	88
13) Acrolein	3.921	56	73544	191.872	ug/l	100
14) Allyl chloride	4.709	41	270442	44.503	ug/l	91
15) Acrylonitrile	5.415	53	209708	223.243	ug/l	99
16) Acetone	4.150	43	150884	201.947	ug/l	90
17) Carbon Disulfide	4.403	76	539471	41.993	ug/l	99
18) Methyl Acetate	4.709	43	97437	43.386	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	423246	47.184	ug/l	96
20) Methylene Chloride	4.962	84	222751	41.077	ug/l #	84
21) trans-1,2-Dichloroethene	5.473	96	203152	44.526	ug/l	85
22) Diisopropyl ether	6.362	45	608720	46.668	ug/l	90
23) Vinyl Acetate	6.297	43	1679547	238.350	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	357830	44.095	ug/l	99
25) 2-Butanone	7.203	43	256401	226.628	ug/l	96
26) 2,2-Dichloropropane	7.203	77	283873	41.319	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	223897	44.499	ug/l	91
28) Bromochloromethane	7.538	49	132469	47.655	ug/l #	82
29) Tetrahydrofuran	7.561	42	176276	242.135	ug/l	93
30) Chloroform	7.703	83	377170	43.439	ug/l	98
31) Cyclohexane	7.979	56	303320	40.786	ug/l	95
32) 1,1,1-Trichloroethane	7.897	97	317686	42.707	ug/l	97
36) 1,1-Dichloropropene	8.103	75	276106	43.412	ug/l	96
37) Ethyl Acetate	7.285	43	126436	47.335	ug/l #	96
38) Carbon Tetrachloride	8.091	117	282221	43.372	ug/l	97
39) Methylcyclohexane	9.350	83	312568	42.146	ug/l	97
40) Benzene	8.344	78	812950	44.702	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	62961	41.801	ug/l #	80
42) 1,2-Dichloroethane	8.414	62	233110	44.038	ug/l	96
43) Isopropyl Acetate	8.444	43	233554	47.030	ug/l #	94
44) Trichloroethene	9.108	130	213358	43.374	ug/l	96
45) 1,2-Dichloropropane	9.379	63	206210	43.663	ug/l	100
46) Dibromomethane	9.467	93	118300	45.301	ug/l	98
47) Bromodichloromethane	9.656	83	298678	45.032	ug/l	98
48) Methyl methacrylate	9.450	41	119705	48.596	ug/l	91
49) 1,4-Dioxane	9.456	88	26329	968.404	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	618416	238.624	ug/l	94
52) Toluene	10.397	92	525716	45.533	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	269736	44.591	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	313905	44.013	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	158578	44.489	ug/l	98
56) Ethyl methacrylate	10.650	69	199340	49.450	ug/l	88
57) 1,3-Dichloropropane	10.938	76	271573	44.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	429091	204.460	ug/l	96
59) 2-Hexanone	10.973	43	422519	246.800	ug/l	95
60) Dibromochloromethane	11.132	129	198499	44.824	ug/l	98
61) 1,2-Dibromoethane	11.238	107	154524	45.052	ug/l	98
64) Tetrachloroethene	10.867	164	172119	43.646	ug/l	95
65) Chlorobenzene	11.661	112	553322	45.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	207555	44.519	ug/l	98
67) Ethyl Benzene	11.738	91	998071	46.966	ug/l	98
68) m/p-Xylenes	11.844	106	786036	95.438	ug/l	98
69) o-Xylene	12.173	106	361151	47.550	ug/l	97
70) Styrene	12.185	104	640470	48.279	ug/l	97
71) Bromoform	12.349	173	116363	47.405	ug/l #	99
73) Isopropylbenzene	12.467	105	955103	47.813	ug/l	100
74) N-amyl acetate	12.279	43	232464	49.797	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	185609	47.132	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	153715m	51.599	ug/l	
77) Bromobenzene	12.749	156	220888	46.345	ug/l	96
78) n-propylbenzene	12.808	91	1187162	47.326	ug/l	99
79) 2-Chlorotoluene	12.897	91	681199	46.615	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	816143	47.959	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	56483	45.462	ug/l	90
82) 4-Chlorotoluene	12.991	91	720805	46.606	ug/l	100
83) tert-Butylbenzene	13.208	119	650120	45.102	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	811531	47.933	ug/l	100
85) sec-Butylbenzene	13.385	105	1021545	46.689	ug/l	100
86) p-Isopropyltoluene	13.502	119	840705	47.238	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	444969	45.423	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	434940	44.930	ug/l	99
89) n-Butylbenzene	13.826	91	803812	46.443	ug/l	99
90) Hexachloroethane	14.096	117	167842	45.387	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	385904	45.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	28013	45.764	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	229522	47.346	ug/l	98
94) Hexachlorobutadiene	15.249	225	116392	43.014	ug/l	98
95) Naphthalene	15.379	128	442123	43.653	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	204342	47.478	ug/l	98

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

