

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074213.D
 Acq On : 24 Aug 2022 09:46
 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

Reviewed By :Krupa Patel 08/25/2022
 Supervised By :Mahesh Dadoda 08/25/2022

Quant Time: Aug 25 05:01:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	150571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	236047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	231430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	124667	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	72324	47.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.020%		
35) Dibromofluoromethane	7.909	113	79763	50.519	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.040%		
50) Toluene-d8	10.326	98	249041	49.009	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.020%		
62) 4-Bromofluorobenzene	12.620	95	105612	52.609	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	62672	49.601	ug/l	93
3) Chloromethane	2.209	50	40925	45.460	ug/l	90
4) Vinyl Chloride	2.350	62	43044	45.546	ug/l	99
5) Bromomethane	2.768	94	29146	47.754	ug/l	99
6) Chloroethane	2.921	64	30549	49.810	ug/l	94
7) Trichlorofluoromethane	3.268	101	137607	50.121	ug/l	95
8) Diethyl Ether	3.709	74	34185	46.335	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	83202	50.085	ug/l	94
10) Methyl Iodide	4.297	142	97881	48.693	ug/l	99
11) Tert butyl alcohol	5.209	59	22178	231.473	ug/l	100
12) 1,1-Dichloroethene	4.068	96	71056	47.828	ug/l	90
13) Acrolein	3.915	56	8139	208.871	ug/l	94
14) Allyl chloride	4.709	41	111215	47.816	ug/l #	94
15) Acrylonitrile	5.415	53	83438	243.228	ug/l	98
16) Acetone	4.150	43	80430	274.380	ug/l #	89
17) Carbon Disulfide	4.403	76	208317	43.735	ug/l	100
18) Methyl Acetate	4.709	43	41294	47.648	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	173401	48.738	ug/l	94
20) Methylene Chloride	4.956	84	95285	50.969	ug/l	85
21) trans-1,2-Dichloroethene	5.467	96	88827	51.133	ug/l	90
22) Diisopropyl ether	6.362	45	244169	51.188	ug/l	93
23) Vinyl Acetate	6.303	43	619540	231.100	ug/l #	93
24) 1,1-Dichloroethane	6.250	63	157613	50.119	ug/l	98
25) 2-Butanone	7.203	43	111657	246.052	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	143271	50.563	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	98402	50.406	ug/l	93
28) Bromochloromethane	7.538	49	52058	54.765	ug/l #	74
29) Tetrahydrofuran	7.556	42	71433	260.836	ug/l	90
30) Chloroform	7.703	83	177990	53.681	ug/l	97
31) Cyclohexane	7.979	56	136060	49.682	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	160665	52.290	ug/l	96
36) 1,1-Dichloropropene	8.103	75	130570	54.715	ug/l	96
37) Ethyl Acetate	7.285	43	52157	55.434	ug/l #	93
38) Carbon Tetrachloride	8.091	117	140347	54.748	ug/l	99
39) Methylcyclohexane	9.350	83	148307	49.233	ug/l	97
40) Benzene	8.344	78	372974	55.447	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	31616	55.899	ug/l	92
42) 1,2-Dichloroethane	8.414	62	109911	55.432	ug/l	97
43) Isopropyl Acetate	8.444	43	97737	51.641	ug/l #	92
44) Trichloroethene	9.103	130	103682	53.165	ug/l	93
45) 1,2-Dichloropropane	9.373	63	93926	55.937	ug/l	98
46) Dibromomethane	9.461	93	51926	55.430	ug/l	93
47) Bromodichloromethane	9.650	83	135178	55.479	ug/l	99
48) Methyl methacrylate	9.444	41	46379	53.007	ug/l #	87
49) 1,4-Dioxane	9.456	88	11272	1060.416	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	262843	277.981	ug/l	94
52) Toluene	10.391	92	240469	54.382	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	123519	55.901	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	145370	55.488	ug/l	90
55) 1,1,2-Trichloroethane	10.785	97	72048	56.234	ug/l	95
56) Ethyl methacrylate	10.650	69	80866	55.251	ug/l	88
57) 1,3-Dichloropropane	10.932	76	118009	55.119	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	91021	205.447	ug/l	91
59) 2-Hexanone	10.973	43	181791	285.153	ug/l	95
60) Dibromochloromethane	11.126	129	93103	55.956	ug/l	97
61) 1,2-Dibromoethane	11.232	107	66740	53.403	ug/l	97
64) Tetrachloroethene	10.867	164	86111	50.988	ug/l	97
65) Chlorobenzene	11.655	112	260107	51.569	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	97601	51.471	ug/l	98
67) Ethyl Benzene	11.732	91	465987	53.983	ug/l	96
68) m/p-Xylenes	11.844	106	377506	109.798	ug/l	96
69) o-Xylene	12.167	106	167822	52.900	ug/l	96
70) Styrene	12.179	104	300155	55.185	ug/l	97
71) Bromoform	12.349	173	51603	50.037	ug/l #	96
73) Isopropylbenzene	12.467	105	462414	51.227	ug/l	99
74) N-amyl acetate	12.273	43	93025	47.375	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.714	83	81340	50.453	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	53153m	43.665	ug/l	
77) Bromobenzene	12.744	156	104901	49.051	ug/l	90
78) n-propylbenzene	12.808	91	574650	52.052	ug/l	96
79) 2-Chlorotoluene	12.891	91	325830	51.112	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	401712	51.800	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	23036	48.666	ug/l	88
82) 4-Chlorotoluene	12.991	91	344823	51.133	ug/l	98
83) tert-Butylbenzene	13.208	119	333455	51.046	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	393869	52.187	ug/l	99
85) sec-Butylbenzene	13.385	105	516735	52.332	ug/l	98
86) p-Isopropyltoluene	13.496	119	430935	52.893	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	216653	50.081	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	213986	49.097	ug/l	100
89) n-Butylbenzene	13.826	91	400918	51.919	ug/l	98
90) Hexachloroethane	14.091	117	82819	50.106	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	186259	49.518	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13362	50.628	ug/l	95
93) 1,2,4-Trichlorobenzene	15.138	180	114317	49.797	ug/l	98
94) Hexachlorobutadiene	15.249	225	63288	49.125	ug/l	98
95) Naphthalene	15.379	128	202681	44.045	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	98553	49.225	ug/l	98

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

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