

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074194.D
 Acq On : 23 Aug 2022 19:44
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/24/2022
 Supervised By :Mahesh Dadoda 08/24/2022

Quant Time: Aug 24 05:55:58 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	7.973	168	158021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	253967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	239387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	122090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	75806	46.946	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.900%		
35) Dibromofluoromethane	7.902	113	81557	48.010	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.020%		
50) Toluene-d8	10.332	98	254973	46.636	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.280%		
62) 4-Bromofluorobenzene	12.614	95	107672	49.851	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	64570	48.694	ug/l	94
3) Chloromethane	2.209	50	49965	52.885	ug/l	95
4) Vinyl Chloride	2.344	62	52454	52.887	ug/l	100
5) Bromomethane	2.762	94	31383	48.995	ug/l	98
6) Chloroethane	2.915	64	34459	53.537	ug/l	98
7) Trichlorofluoromethane	3.262	101	150295	52.161	ug/l	96
8) Diethyl Ether	3.709	74	42787	55.260	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	91293	52.365	ug/l	97
10) Methyl Iodide	4.291	142	110747	52.407	ug/l	99
11) Tert butyl alcohol	5.232	59	27392	272.413	ug/l #	91
12) 1,1-Dichloroethene	4.062	96	83059	53.271	ug/l	91
13) Acrolein	3.920	56	9451	234.681	ug/l	99
14) Allyl chloride	4.703	41	133115	54.534	ug/l #	93
15) Acrylonitrile	5.414	53	102410	284.459	ug/l	99
16) Acetone	4.156	43	78385	254.797	ug/l	95
17) Carbon Disulfide	4.403	76	269323	53.411	ug/l	97
18) Methyl Acetate	4.720	43	50198	55.414	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	210112	56.272	ug/l	99
20) Methylene Chloride	4.956	84	109157	56.233	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	101430	55.635	ug/l	91
22) Diisopropyl ether	6.361	45	281567	56.245	ug/l #	92
23) Vinyl Acetate	6.297	43	773476	273.009	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	176732	53.549	ug/l	99
25) 2-Butanone	7.208	43	129421	271.752	ug/l	93
26) 2,2-Dichloropropane	7.197	77	141069	47.438	ug/l	97
27) cis-1,2-Dichloroethene	7.203	96	109322	53.360	ug/l	92
28) Bromochloromethane	7.538	49	53799	53.928	ug/l #	79
29) Tetrahydrofuran	7.555	42	84402	293.662	ug/l	91
30) Chloroform	7.703	83	186845	53.695	ug/l	99
31) Cyclohexane	7.979	56	152520	53.066	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	170943	53.012	ug/l	97
36) 1,1-Dichloropropene	8.102	75	140848	54.857	ug/l	95
37) Ethyl Acetate	7.291	43	57869	57.165	ug/l #	96
38) Carbon Tetrachloride	8.091	117	147313	53.411	ug/l	98
39) Methylcyclohexane	9.344	83	165498	50.980	ug/l	95
40) Benzene	8.344	78	398920	55.119	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	34777	57.150	ug/l #	92
42) 1,2-Dichloroethane	8.414	62	117322	54.994	ug/l	98
43) Isopropyl Acetate	8.444	43	115564	56.752	ug/l #	93
44) Trichloroethene	9.102	130	111100	52.949	ug/l	91
45) 1,2-Dichloropropane	9.379	63	98551	54.550	ug/l	95
46) Dibromomethane	9.461	93	56729	56.284	ug/l	94
47) Bromodichloromethane	9.649	83	141366	53.925	ug/l #	98
48) Methyl methacrylate	9.449	41	55370	58.818	ug/l #	89
49) 1,4-Dioxane	9.449	88	13468	1177.605	ug/l	92
51) 4-Methyl-2-Pentanone	10.214	43	307129	301.899	ug/l	94
52) Toluene	10.391	92	262883	55.256	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	131953	55.504	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	154864	54.940	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	74377	53.956	ug/l	99
56) Ethyl methacrylate	10.649	69	92785	58.921	ug/l	87
57) 1,3-Dichloropropane	10.932	76	128754	55.894	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	117146	245.757	ug/l	93
59) 2-Hexanone	10.973	43	207481	302.486	ug/l	95
60) Dibromochloromethane	11.126	129	98552	55.051	ug/l	99
61) 1,2-Dibromoethane	11.238	107	75999	56.521	ug/l	98
64) Tetrachloroethene	10.867	164	92442	52.918	ug/l	99
65) Chlorobenzene	11.661	112	276024	52.906	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.726	131	102058	52.032	ug/l	98
67) Ethyl Benzene	11.732	91	486071	54.438	ug/l	99
68) m/p-Xylenes	11.838	106	392772	110.441	ug/l	97
69) o-Xylene	12.167	106	180204	54.915	ug/l	94
70) Styrene	12.179	104	315973	56.162	ug/l	97
71) Bromoform	12.343	173	57710	54.099	ug/l #	99
73) Isopropylbenzene	12.467	105	474048	53.624	ug/l	99
74) N-amyl acetate	12.273	43	109512	56.948	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	85039	53.861	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	57498m	48.232	ug/l	
77) Bromobenzene	12.743	156	109638	52.348	ug/l	91
78) n-propylbenzene	12.802	91	585588	54.163	ug/l	97
79) 2-Chlorotoluene	12.890	91	337252	54.021	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	406684	53.549	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	25441	54.882	ug/l	88
82) 4-Chlorotoluene	12.990	91	353074	53.461	ug/l	99
83) tert-Butylbenzene	13.208	119	344288	53.817	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	404675	54.750	ug/l	100
85) sec-Butylbenzene	13.385	105	515723	53.332	ug/l	97
86) p-Isopropyltoluene	13.496	119	429617	53.844	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	221102	52.188	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	219285	51.375	ug/l	99
89) n-Butylbenzene	13.826	91	402642	53.243	ug/l	99
90) Hexachloroethane	14.090	117	79705	49.239	ug/l	96
91) 1,2-Dichlorobenzene	13.873	146	193940	52.648	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13456	52.060	ug/l	81
93) 1,2,4-Trichlorobenzene	15.137	180	112596	50.083	ug/l	99
94) Hexachlorobutadiene	15.243	225	61443	48.699	ug/l	99
95) Naphthalene	15.379	128	222527	48.963	ug/l	99
96) 1,2,3-Trichlorobenzene	15.567	180	100189	51.098	ug/l	100

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

