

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082322\
 Data File : VD074211.D
 Acq On : 24 Aug 2022 05:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 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 06:28:56 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	135646	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	221044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	216561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	109790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	69772	50.337	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.680%			
35) Dibromofluoromethane	7.908	113	75005	50.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.460%			
50) Toluene-d8	10.332	98	236004	49.596	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.620	95	96764	51.474	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	59278	52.077	ug/l	93
3) Chloromethane	2.209	50	42799	52.773	ug/l	95
4) Vinyl Chloride	2.350	62	45496	53.438	ug/l	97
5) Bromomethane	2.767	94	30912	56.220	ug/l	94
6) Chloroethane	2.920	64	31330	56.704	ug/l	97
7) Trichlorofluoromethane	3.267	101	128459	51.937	ug/l	100
8) Diethyl Ether	3.708	74	37166	55.918	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	77813	51.995	ug/l	97
10) Methyl Iodide	4.303	142	102218	56.264	ug/l	98
11) Tert butyl alcohol	5.220	59	23114	267.786	ug/l #	94
12) 1,1-Dichloroethene	4.067	96	70097	52.374	ug/l	91
13) Acrolein	3.926	56	6161	170.142	ug/l	99
14) Allyl chloride	4.714	41	113770	54.297	ug/l	93
15) Acrylonitrile	5.420	53	89744	290.396	ug/l	96
16) Acetone	4.156	43	69268	262.302	ug/l	93
17) Carbon Disulfide	4.408	76	224146	51.845	ug/l	100
18) Methyl Acetate	4.720	43	45480	58.566	ug/l #	91
19) Methyl tert-butyl Ether	5.479	73	180091	56.188	ug/l	97
20) Methylene Chloride	4.961	84	106382	64.725	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	88698	56.676	ug/l	91
22) Diisopropyl ether	6.361	45	242890	56.523	ug/l #	91
23) Vinyl Acetate	6.297	43	614574	253.453	ug/l #	94
24) 1,1-Dichloroethane	6.261	63	155633	54.935	ug/l	98
25) 2-Butanone	7.202	43	110911	271.300	ug/l	91
26) 2,2-Dichloropropane	7.202	77	116338	45.575	ug/l	98
27) cis-1,2-Dichloroethene	7.202	96	101508	57.718	ug/l	90
28) Bromochloromethane	7.544	49	48179	56.261	ug/l #	77
29) Tetrahydrofuran	7.555	42	71960	291.672	ug/l	90
30) Chloroform	7.702	83	168180	56.304	ug/l	100
31) Cyclohexane	7.979	56	127098	51.516	ug/l	94
32) 1,1,1-Trichloroethane	7.896	97	149337	53.951	ug/l	97
36) 1,1-Dichloropropene	8.102	75	123678	55.344	ug/l	96
37) Ethyl Acetate	7.285	43	53963	61.246	ug/l #	93
38) Carbon Tetrachloride	8.091	117	126482	52.688	ug/l	97
39) Methylcyclohexane	9.349	83	137965	48.923	ug/l	94
40) Benzene	8.344	78	360357	57.207	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	29654	55.989	ug/l	92
42) 1,2-Dichloroethane	8.414	62	104663	56.367	ug/l	97
43) Isopropyl Acetate	8.444	43	96585	54.497	ug/l #	93
44) Trichloroethene	9.102	130	96183	52.667	ug/l	96
45) 1,2-Dichloropropane	9.379	63	89132	56.685	ug/l	91
46) Dibromomethane	9.467	93	51247	58.418	ug/l	94
47) Bromodichloromethane	9.649	83	128186	56.180	ug/l	98
48) Methyl methacrylate	9.449	41	48381	59.048	ug/l	88
49) 1,4-Dioxane	9.455	88	10788	1083.768	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	257397	290.698	ug/l	94
52) Toluene	10.390	92	230518	55.670	ug/l	98
53) t-1,3-Dichloropropene	10.608	75	110236	53.276	ug/l	93
54) cis-1,3-Dichloropropene	10.079	75	132674	54.079	ug/l	90
55) 1,1,2-Trichloroethane	10.785	97	70142	58.462	ug/l	92
56) Ethyl methacrylate	10.649	69	80888	59.017	ug/l	88
57) 1,3-Dichloropropane	10.932	76	116056	57.886	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	87015	209.735	ug/l	94
59) 2-Hexanone	10.973	43	173760	291.055	ug/l	96
60) Dibromochloromethane	11.126	129	89967	57.741	ug/l	97
61) 1,2-Dibromoethane	11.232	107	66223	56.586	ug/l	97
64) Tetrachloroethene	10.867	164	81522	51.585	ug/l	97
65) Chlorobenzene	11.661	112	246877	52.307	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	93581	52.739	ug/l	99
67) Ethyl Benzene	11.732	91	434250	53.760	ug/l	97
68) m/p-Xylenes	11.843	106	347483	108.005	ug/l	97
69) o-Xylene	12.167	106	161131	54.279	ug/l	93
70) Styrene	12.184	104	279902	54.994	ug/l	98
71) Bromoform	12.349	173	52003	53.887	ug/l #	99
73) Isopropylbenzene	12.467	105	420221	52.861	ug/l	98
74) N-amyl acetate	12.273	43	86332	49.924	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.714	83	77653	54.693	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	52176m	48.671	ug/l	
77) Bromobenzene	12.749	156	98719	52.415	ug/l	91
78) n-propylbenzene	12.808	91	509439	52.398	ug/l	97
79) 2-Chlorotoluene	12.896	91	292867	52.167	ug/l	97
80) 1,3,5-Trimethylbenzene	12.943	105	354537	51.912	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	19030	45.651	ug/l	88
82) 4-Chlorotoluene	12.990	91	306278	51.571	ug/l	98
83) tert-Butylbenzene	13.208	119	302014	52.498	ug/l	96
84) 1,2,4-Trimethylbenzene	13.249	105	349576	52.594	ug/l	98
85) sec-Butylbenzene	13.384	105	449901	51.737	ug/l	98
86) p-Isopropyltoluene	13.496	119	371392	51.761	ug/l	99
87) 1,3-Dichlorobenzene	13.496	146	190348	49.963	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	189714	49.426	ug/l	99
89) n-Butylbenzene	13.826	91	336398	49.467	ug/l	99
90) Hexachloroethane	14.090	117	74553	51.217	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	172082	51.948	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	13132	56.498	ug/l	96
93) 1,2,4-Trichlorobenzene	15.137	180	96294	47.630	ug/l	99
94) Hexachlorobutadiene	15.243	225	53498	47.152	ug/l	98
95) Naphthalene	15.378	128	193410	47.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	88062	49.945	ug/l	99

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

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