

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074959.D
 Acq On : 16 Nov 2022 19:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/17/2022
 Supervised By :Mahesh Dadoda 11/17/2022

Quant Time: Nov 17 00:22:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	125228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	214693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	199206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	45389	55.159	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.810	113	57081	43.131	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 86.260%			
50) Toluene-d8	10.269	98	206770	47.430	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.575	95	67349	50.311	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	43832	52.484	ug/l	99
3) Chloromethane	2.146	50	73826	56.752	ug/l	93
4) Vinyl Chloride	2.287	62	90045	51.281	ug/l	100
5) Bromomethane	2.693	94	71960	54.664	ug/l	100
6) Chloroethane	2.834	64	68596	53.197	ug/l	98
7) Trichlorofluoromethane	3.175	101	108577	54.270	ug/l	94
8) Diethyl Ether	3.593	74	33063	57.639	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.969	101	71183	55.754	ug/l	100
10) Methyl Iodide	4.169	142	83288	54.392	ug/l	99
11) Tert butyl alcohol	5.057	59	16700	278.450	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	68906	55.407	ug/l	93
13) Acrolein	3.799	56	11764	348.871	ug/l	100
14) Allyl chloride	4.563	41	73361	55.149	ug/l	98
15) Acrylonitrile	5.252	53	67186	299.717	ug/l	100
16) Acetone	4.022	43	56828	274.890	ug/l	96
17) Carbon Disulfide	4.269	76	182055	51.460	ug/l	96
18) Methyl Acetate	4.563	43	31996	59.699	ug/l	99
19) Methyl tert-butyl Ether	5.316	73	144459	58.020	ug/l	99
20) Methylene Chloride	4.804	84	95294	55.843	ug/l	92
21) trans-1,2-Dichloroethene	5.310	96	80799	57.293	ug/l	90
22) Diisopropyl ether	6.216	45	174812	58.960	ug/l	94
23) Vinyl Acetate	6.157	43	320977m	252.233	ug/l	
24) 1,1-Dichloroethane	6.116	63	126656	57.202	ug/l	99
25) 2-Butanone	7.087	43	67152	248.402	ug/l	99
26) 2,2-Dichloropropane	7.075	77	95966	46.120	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	77069	49.259	ug/l	100
28) Bromochloromethane	7.428	49	37527	52.535	ug/l	94
29) Tetrahydrofuran	7.446	42	40894	273.287	ug/l	95
30) Chloroform	7.598	83	121483	50.099	ug/l	97
31) Cyclohexane	7.881	56	84636	46.358	ug/l	95
32) 1,1,1-Trichloroethane	7.793	97	103961	49.747	ug/l	99
36) 1,1-Dichloropropene	8.010	75	87167	44.815	ug/l	99
37) Ethyl Acetate	7.169	43	29049	44.509	ug/l	96
38) Carbon Tetrachloride	7.993	117	80503	43.970	ug/l	96
39) Methylcyclohexane	9.275	83	102088	48.994	ug/l	99
40) Benzene	8.251	78	266095	47.578	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	17252m	49.839	ug/l	
42) 1,2-Dichloroethane	8.328	62	64214	47.976	ug/l	99
43) Isopropyl Acetate	8.363	43	54868	47.731	ug/l	98
44) Trichloroethene	9.028	130	73919	50.027	ug/l	99
45) 1,2-Dichloropropane	9.304	63	63899	50.848	ug/l	95
46) Dibromomethane	9.398	93	37122	52.747	ug/l	93
47) Bromodichloromethane	9.587	83	91735	52.522	ug/l	100
48) Methyl methacrylate	9.381	41	26700	52.434	ug/l	94
49) 1,4-Dioxane	9.387	88	7748	1121.953	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	148348	270.705	ug/l	98
52) Toluene	10.334	92	178437	53.361	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	79111	51.273	ug/l	100
54) cis-1,3-Dichloropropene	10.022	75	99754	52.719	ug/l	99
55) 1,1,2-Trichloroethane	10.734	97	53916	55.096	ug/l	98
56) Ethyl methacrylate	10.598	69	57738	48.884	ug/l	98
57) 1,3-Dichloropropane	10.881	76	84534	53.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	93028	226.820	ug/l	99
59) 2-Hexanone	10.922	43	102936	269.449	ug/l	100
60) Dibromochloromethane	11.075	129	64079	55.199	ug/l	97
61) 1,2-Dibromoethane	11.181	107	49336	53.908	ug/l	99
64) Tetrachloroethene	10.810	164	63356	47.435	ug/l	92
65) Chlorobenzene	11.610	112	190456	48.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	69185	50.670	ug/l	99
67) Ethyl Benzene	11.686	91	339575	50.016	ug/l	97
68) m/p-Xylenes	11.792	106	269598	99.594	ug/l	100
69) o-Xylene	12.122	106	126995	50.992	ug/l	96
70) Styrene	12.139	104	221175	51.808	ug/l	99
71) Bromoform	12.298	173	36739	51.990	ug/l #	100
73) Isopropylbenzene	12.422	105	335363	50.666	ug/l	100
74) N-amyl acetate	12.233	43	52569	48.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	58580	50.033	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	40685m	50.582	ug/l	
77) Bromobenzene	12.704	156	75003	48.421	ug/l	94
78) n-propylbenzene	12.763	91	408152	50.165	ug/l	99
79) 2-Chlorotoluene	12.851	91	219098	49.977	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	276840	50.196	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	14960	45.755	ug/l	96
82) 4-Chlorotoluene	12.951	91	226296	49.569	ug/l	98
83) tert-Butylbenzene	13.169	119	239957	50.142	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	277386	50.853	ug/l	98
85) sec-Butylbenzene	13.345	105	369709	50.790	ug/l	100
86) p-Isopropyltoluene	13.463	119	312442	51.619	ug/l	99
87) 1,3-Dichlorobenzene	13.463	146	157705	48.944	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	153824	48.101	ug/l	98
89) n-Butylbenzene	13.792	91	283554	50.458	ug/l	99
90) Hexachloroethane	14.057	117	54026	49.836	ug/l	92
91) 1,2-Dichlorobenzene	13.833	146	138001	50.365	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.451	75	7647	47.372	ug/l	94
93) 1,2,4-Trichlorobenzene	15.104	180	82068	49.205	ug/l	99
94) Hexachlorobutadiene	15.210	225	43834	50.951	ug/l	97
95) Naphthalene	15.333	128	153486	49.581	ug/l	99
96) 1,2,3-Trichlorobenzene	15.527	180	71352	49.470	ug/l	99

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

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