

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074537.D
 Acq On : 13 Oct 2022 19:19
 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 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022

Quant Time: Oct 14 01:32:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	76055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	131494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	119184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	56494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	37071	56.627	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.260%			
35) Dibromofluoromethane	7.805	113	43096	54.667	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.340%			
50) Toluene-d8	10.269	98	169621	56.129	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.260%			
62) 4-Bromofluorobenzene	12.569	95	47967	52.110	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	38732	52.674	ug/l	99
3) Chloromethane	2.146	50	49016	53.560	ug/l	93
4) Vinyl Chloride	2.275	62	51150	54.031	ug/l	100
5) Bromomethane	2.687	94	34174	50.882	ug/l	97
6) Chloroethane	2.828	64	35442	56.112	ug/l	100
7) Trichlorofluoromethane	3.170	101	76849	53.045	ug/l	97
8) Diethyl Ether	3.593	74	24818	57.067	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.964	101	52043	53.446	ug/l	99
10) Methyl Iodide	4.158	142	57879	44.619	ug/l	99
11) Tert butyl alcohol	5.064	59	16219	183.985	ug/l #	96
12) 1,1-Dichloroethene	3.934	96	51996	52.424	ug/l	95
13) Acrolein	3.793	56	5592	167.155	ug/l	89
14) Allyl chloride	4.558	41	57254	53.026	ug/l	98
15) Acrylonitrile	5.252	53	50615	292.372	ug/l	98
16) Acetone	4.017	43	32120	227.458	ug/l	92
17) Carbon Disulfide	4.269	76	145933	49.763	ug/l	96
18) Methyl Acetate	4.564	43	23021	51.232	ug/l	100
19) Methyl tert-butyl Ether	5.316	73	107728	57.076	ug/l	96
20) Methylene Chloride	4.805	84	69739	60.857	ug/l	94
21) trans-1,2-Dichloroethene	5.311	96	57989	54.281	ug/l	95
22) Diisopropyl ether	6.216	45	120311	55.730	ug/l	95
23) Vinyl Acetate	6.152	43	252143m	269.027	ug/l	
24) 1,1-Dichloroethane	6.111	63	88761	53.114	ug/l	98
25) 2-Butanone	7.081	43	50984	261.546	ug/l	97
26) 2,2-Dichloropropane	7.075	77	74672	50.762	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	61707	54.231	ug/l	99
28) Bromochloromethane	7.428	49	23950	54.278	ug/l	94
29) Tetrahydrofuran	7.440	42	30126	280.241	ug/l	97
30) Chloroform	7.599	83	87702	54.165	ug/l	100
31) Cyclohexane	7.875	56	67898	48.747	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	76508	52.182	ug/l	99
36) 1,1-Dichloropropene	8.005	75	65623	52.000	ug/l	99
37) Ethyl Acetate	7.169	43	21338	51.517	ug/l #	95
38) Carbon Tetrachloride	7.993	117	64099	54.935	ug/l	94
39) Methylcyclohexane	9.275	83	83717	53.001	ug/l	95
40) Benzene	8.252	78	201543	53.659	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	12577	52.922	ug/l	92
42) 1,2-Dichloroethane	8.328	62	48241	54.355	ug/l	98
43) Isopropyl Acetate	8.358	43	42132	55.361	ug/l	98
44) Trichloroethene	9.028	130	58593	54.530	ug/l	98
45) 1,2-Dichloropropane	9.305	63	46278	54.081	ug/l	99
46) Dibromomethane	9.393	93	26764	55.665	ug/l	94
47) Bromodichloromethane	9.587	83	65898	55.445	ug/l	98
48) Methyl methacrylate	9.381	41	20557	55.819	ug/l	92
49) 1,4-Dioxane	9.387	88	5959	1192.995	ug/l	93
51) 4-Methyl-2-Pentanone	10.157	43	109157	289.932	ug/l	99
52) Toluene	10.334	92	131894	55.562	ug/l	99
53) t-1,3-Dichloropropene	10.552	75	58417	56.374	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	73498	56.156	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	37863	58.745	ug/l	98
56) Ethyl methacrylate	10.599	69	44012	59.237	ug/l	97
57) 1,3-Dichloropropane	10.881	76	62724	58.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	45305	272.377	ug/l	99
59) 2-Hexanone	10.916	43	73992	293.588	ug/l	99
60) Dibromochloromethane	11.075	129	46099	59.464	ug/l	97
61) 1,2-Dibromoethane	11.175	107	34130	56.911	ug/l	98
64) Tetrachloroethene	10.810	164	46516	52.121	ug/l	98
65) Chlorobenzene	11.604	112	139358	54.472	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.675	131	48512	55.884	ug/l	99
67) Ethyl Benzene	11.681	91	250640	55.271	ug/l	99
68) m/p-Xylenes	11.793	106	195824	108.297	ug/l	100
69) o-Xylene	12.122	106	92251	54.831	ug/l	97
70) Styrene	12.134	104	158722	55.828	ug/l	98
71) Bromoform	12.293	173	25256	57.115	ug/l #	98
73) Isopropylbenzene	12.416	105	244824	53.870	ug/l	100
74) N-amyl acetate	12.228	43	38420	53.978	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	38817	53.995	ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	22589m	46.787	ug/l	
77) Bromobenzene	12.698	156	54888	53.383	ug/l	98
78) n-propylbenzene	12.757	91	289216	52.601	ug/l	100
79) 2-Chlorotoluene	12.846	91	153629	52.058	ug/l	98
80) 1,3,5-Trimethylbenzene	12.898	105	197114	53.365	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	9593	50.401	ug/l	96
82) 4-Chlorotoluene	12.946	91	157511	53.176	ug/l	100
83) tert-Butylbenzene	13.163	119	173603	53.675	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	195967	53.557	ug/l	98
85) sec-Butylbenzene	13.340	105	262947	53.354	ug/l	99
86) p-Isopropyltoluene	13.457	119	217704	53.201	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	111606	52.981	ug/l	100
88) 1,4-Dichlorobenzene	13.534	146	110175	52.703	ug/l	100
89) n-Butylbenzene	13.781	91	200340	52.411	ug/l	99
90) Hexachloroethane	14.051	117	38321	53.041	ug/l	96
91) 1,2-Dichlorobenzene	13.828	146	95627	53.216	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.440	75	5213	53.042	ug/l	99
93) 1,2,4-Trichlorobenzene	15.098	180	61332	51.761	ug/l	98
94) Hexachlorobutadiene	15.198	225	32599	52.915	ug/l	98
95) Naphthalene	15.328	128	122994	54.964	ug/l	99
96) 1,2,3-Trichlorobenzene	15.516	180	54479	53.861	ug/l	99

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

