

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074587.D
 Acq On : 19 Oct 2022 19:02
 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 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

Quant Time: Oct 20 06:49:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89845	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	150588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	122556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	32934	48.012	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.020%		
35) Dibromofluoromethane	7.810	113	39674	47.498	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.000%		
50) Toluene-d8	10.269	98	136941	45.434	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	90.860%		
62) 4-Bromofluorobenzene	12.575	95	40274	46.304	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.934	85	34564	49.562	ug/l	97
3) Chloromethane	2.146	50	48170	51.024	ug/l	92
4) Vinyl Chloride	2.281	62	54130	51.849	ug/l	100
5) Bromomethane	2.687	94	35661	45.107	ug/l	99
6) Chloroethane	2.834	64	37466	52.197	ug/l	93
7) Trichlorofluoromethane	3.175	101	74286	50.200	ug/l	99
8) Diethyl Ether	3.593	74	22899	53.433	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	48954	51.298	ug/l	99
10) Methyl Iodide	4.164	142	62839	50.531	ug/l	99
11) Tert butyl alcohol	5.058	59	18818	313.802	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	49407	51.762	ug/l #	79
13) Acrolein	3.793	56	17403	236.884	ug/l	99
14) Allyl chloride	4.564	41	50948	49.427	ug/l	95
15) Acrylonitrile	5.258	53	47665	272.141	ug/l	99
16) Acetone	4.028	43	31442	209.908	ug/l	95
17) Carbon Disulfide	4.269	76	124706	47.746	ug/l	99
18) Methyl Acetate	4.569	43	21756	54.128	ug/l	96
19) Methyl tert-butyl Ether	5.316	73	103290	55.378	ug/l	98
20) Methylene Chloride	4.805	84	63014	55.956	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	53915	50.670	ug/l	87
22) Diisopropyl ether	6.216	45	113133	54.390	ug/l	96
23) Vinyl Acetate	6.158	43	228367	251.069	ug/l	100
24) 1,1-Dichloroethane	6.111	63	84187	52.149	ug/l	98
25) 2-Butanone	7.081	43	48776	243.515	ug/l	93
26) 2,2-Dichloropropane	7.075	77	74368	48.198	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	61541	52.146	ug/l	97
28) Bromochloromethane	7.428	49	25246	57.595	ug/l	96
29) Tetrahydrofuran	7.446	42	30146	275.943	ug/l	99
30) Chloroform	7.593	83	91133	52.463	ug/l	99
31) Cyclohexane	7.875	56	65354	47.430	ug/l	97
32) 1,1,1-Trichloroethane	7.793	97	82060	51.514	ug/l	98
36) 1,1-Dichloropropene	8.005	75	66539	49.186	ug/l	99
37) Ethyl Acetate	7.169	43	21045	49.307	ug/l	97
38) Carbon Tetrachloride	7.993	117	66262	50.021	ug/l	94
39) Methylcyclohexane	9.275	83	75608	46.777	ug/l	99
40) Benzene	8.252	78	204603	50.961	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	11711	50.925	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	47691	51.475	ug/l	99
43) Isopropyl Acetate	8.363	43	41898	52.820	ug/l	98
44) Trichloroethene	9.028	130	57498	48.886	ug/l	99
45) 1,2-Dichloropropane	9.304	63	42570	48.315	ug/l	94
46) Dibromomethane	9.393	93	24916	49.005	ug/l	95
47) Bromodichloromethane	9.587	83	61768	49.102	ug/l	93
48) Methyl methacrylate	9.381	41	18484	50.989	ug/l	97
49) 1,4-Dioxane	9.387	88	5404	1079.937	ug/l #	91
51) 4-Methyl-2-Pentanone	10.157	43	100814	255.519	ug/l	100
52) Toluene	10.334	92	124409	50.245	ug/l	100
53) t-1,3-Dichloropropene	10.551	75	53507	48.378	ug/l	98
54) cis-1,3-Dichloropropene	10.016	75	66057	47.368	ug/l	95
55) 1,1,2-Trichloroethane	10.734	97	35662	51.051	ug/l	95
56) Ethyl methacrylate	10.599	69	39644	51.917	ug/l	96
57) 1,3-Dichloropropane	10.881	76	56366	49.739	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	37567	195.265	ug/l	98
59) 2-Hexanone	10.922	43	66014	245.136	ug/l	95
60) Dibromochloromethane	11.075	129	41826	49.675	ug/l	98
61) 1,2-Dibromoethane	11.181	107	32242	50.562	ug/l	100
64) Tetrachloroethene	10.810	164	44443	49.060	ug/l	96
65) Chlorobenzene	11.604	112	136303	52.800	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.681	131	47649	53.724	ug/l	100
67) Ethyl Benzene	11.681	91	236463	52.603	ug/l	99
68) m/p-Xylenes	11.793	106	186411	104.295	ug/l	98
69) o-Xylene	12.122	106	87633	52.682	ug/l	96
70) Styrene	12.134	104	152216	54.336	ug/l	98
71) Bromoform	12.298	173	24714	53.074	ug/l #	95
73) Isopropylbenzene	12.422	105	235182	51.472	ug/l	99
74) N-amyl acetate	12.228	43	36344	53.815	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.669	83	37636	52.032	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	29205m	57.090	ug/l	
77) Bromobenzene	12.698	156	53512	51.891	ug/l	98
78) n-propylbenzene	12.763	91	279423	51.746	ug/l	100
79) 2-Chlorotoluene	12.845	91	148630	50.808	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	189372	51.057	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	9814	49.025	ug/l	93
82) 4-Chlorotoluene	12.945	91	153567	51.096	ug/l	99
83) tert-Butylbenzene	13.163	119	173033	52.296	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	187995	51.507	ug/l	99
85) sec-Butylbenzene	13.345	105	255298	51.417	ug/l	97
86) p-Isopropyltoluene	13.457	119	212511	51.089	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	108395	50.582	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	106566	50.798	ug/l	100
89) n-Butylbenzene	13.787	91	195655	51.628	ug/l	98
90) Hexachloroethane	14.051	117	36697	50.685	ug/l	100
91) 1,2-Dichlorobenzene	13.828	146	94074	52.626	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	5406	54.042	ug/l	91
93) 1,2,4-Trichlorobenzene	15.098	180	62934	53.370	ug/l	99
94) Hexachlorobutadiene	15.198	225	33593	51.783	ug/l	98
95) Naphthalene	15.328	128	117820	53.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	54521	53.936	ug/l	98

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

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