

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073164.D
 Acq On : 20 May 2022 03:28
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/24/2022
 Supervised By :Mahesh Dadoda 05/24/2022

Quant Time: May 20 04:27:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	298773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	518197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	497977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240298	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	179205	54.274	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.540%			
35) Dibromofluoromethane	7.908	113	179866	52.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.332	98	681695	54.082	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.160%			
62) 4-Bromofluorobenzene	12.620	95	237954	53.793	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	124570	41.726	ug/l	100
3) Chloromethane	2.209	50	157550	46.670	ug/l	95
4) Vinyl Chloride	2.344	62	138718	44.938	ug/l	99
5) Bromomethane	2.762	94	104062	52.811	ug/l	93
6) Chloroethane	2.915	64	92594	48.794	ug/l	98
7) Trichlorofluoromethane	3.267	101	256570	47.005	ug/l	97
8) Diethyl Ether	3.709	74	82584	55.061	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	150030	46.067	ug/l	95
10) Methyl Iodide	4.297	142	176331	50.184	ug/l	98
11) Tert butyl alcohol	5.214	59	64668	126.235	ug/l #	88
12) 1,1-Dichloroethene	4.062	96	144968	48.281	ug/l	90
13) Acrolein	3.920	56	49407	243.777	ug/l	98
14) Allyl chloride	4.709	41	242997	50.137	ug/l	91
15) Acrylonitrile	5.420	53	200556	292.420	ug/l	96
16) Acetone	4.156	43	147691	258.239	ug/l	97
17) Carbon Disulfide	4.403	76	483612	48.586	ug/l	99
18) Methyl Acetate	4.714	43	87095	54.765	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	388019	56.725	ug/l	98
20) Methylene Chloride	4.956	84	209617	58.459	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	188364	51.885	ug/l	90
22) Diisopropyl ether	6.361	45	572206	56.319	ug/l	94
23) Vinyl Acetate	6.303	43	1562562	288.329	ug/l	95
24) 1,1-Dichloroethane	6.256	63	341377	52.346	ug/l	99
25) 2-Butanone	7.208	43	238441	284.965	ug/l	95
26) 2,2-Dichloropropane	7.197	77	246886	44.391	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	218486	54.390	ug/l	88
28) Bromochloromethane	7.538	49	125703	55.949	ug/l #	82
29) Tetrahydrofuran	7.555	42	156368	289.009	ug/l	91
30) Chloroform	7.703	83	365983	53.754	ug/l	97
31) Cyclohexane	7.979	56	259957	45.053	ug/l	87
32) 1,1,1-Trichloroethane	7.897	97	295389	49.605	ug/l	98
36) 1,1-Dichloropropene	8.108	75	250202	48.652	ug/l	95
37) Ethyl Acetate	7.285	43	113338	55.795	ug/l	95
38) Carbon Tetrachloride	8.091	117	251363	48.218	ug/l	99
39) Methylcyclohexane	9.350	83	273516	47.723	ug/l	94
40) Benzene	8.344	78	770310	51.973	ug/l	99

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41) Methacrylonitrile	7.514	41	66962	56.578	ug/l	91
42) 1,2-Dichloroethane	8.414	62	224074	54.334	ug/l	97
43) Isopropyl Acetate	8.444	43	209515	55.801	ug/l #	91
44) Trichloroethene	9.108	130	201050	50.868	ug/l	95
45) 1,2-Dichloropropane	9.385	63	200842	53.808	ug/l	96
46) Dibromomethane	9.467	93	111721	54.498	ug/l	97
47) Bromodichloromethane	9.655	83	282330	53.825	ug/l	99
48) Methyl methacrylate	9.450	41	106054	56.142	ug/l	87
49) 1,4-Dioxane	9.461	88	23938	1130.724	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	571610	293.118	ug/l	96
52) Toluene	10.397	92	504640	53.880	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	251737	53.123	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	295861	52.173	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	153810	55.484	ug/l	97
56) Ethyl methacrylate	10.655	69	183001	59.374	ug/l	85
57) 1,3-Dichloropropane	10.938	76	259304	55.747	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	358302	245.141	ug/l	95
59) 2-Hexanone	10.973	43	388188	301.933	ug/l	95
60) Dibromochloromethane	11.132	129	189099	54.706	ug/l	100
61) 1,2-Dibromoethane	11.238	107	147612	55.724	ug/l	100
64) Tetrachloroethene	10.867	164	157706	48.352	ug/l	95
65) Chlorobenzene	11.661	112	534784	52.348	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	200185	52.836	ug/l	97
67) Ethyl Benzene	11.732	91	934361	52.101	ug/l	100
68) m/p-Xylenes	11.843	106	745092	106.939	ug/l	96
69) o-Xylene	12.173	106	342348	53.486	ug/l	97
70) Styrene	12.185	104	606144	55.043	ug/l	97
71) Bromoform	12.349	173	108773	55.782	ug/l #	100
73) Isopropylbenzene	12.467	105	884933	51.658	ug/l	100
74) N-amyl acetate	12.279	43	209132	55.961	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	173077	54.781	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	137568m	58.347	ug/l	
77) Bromobenzene	12.749	156	208756	51.767	ug/l	96
78) n-propylbenzene	12.808	91	1101693	51.227	ug/l	99
79) 2-Chlorotoluene	12.896	91	645367	51.973	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	764535	52.685	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	51938	52.884	ug/l	89
82) 4-Chlorotoluene	12.990	91	686745	52.764	ug/l	99
83) tert-Butylbenzene	13.208	119	617943	50.526	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	773219	53.936	ug/l	99
85) sec-Butylbenzene	13.390	105	940307	50.353	ug/l	99
86) p-Isopropyltoluene	13.502	119	782717	51.418	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	416346	51.222	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	415072	50.587	ug/l	99
89) n-Butylbenzene	13.826	91	725494	50.019	ug/l	100
90) Hexachloroethane	14.096	117	157500	50.003	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	366712	52.143	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	25554	52.816	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	208420	52.200	ug/l	98
94) Hexachlorobutadiene	15.249	225	108152	48.069	ug/l	97
95) Naphthalene	15.384	128	406659	51.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	189024	53.402	ug/l	98

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

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