

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082622\
 Data File : VD074233.D
 Acq On : 26 Aug 2022 11:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/27/2022
 Supervised By :Semsettin Yesilyurt 08/27/2022

Quant Time: Aug 26 15:59:11 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	153993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	235850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	218890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	116269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	68515	43.541	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.080%		
35) Dibromofluoromethane	7.908	113	77694	49.249	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.500%		
50) Toluene-d8	10.331	98	228438	44.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	89.980%		
62) 4-Bromofluorobenzene	12.620	95	97943	48.830	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	57158	44.232	ug/l	93
3) Chloromethane	2.208	50	38024	41.299	ug/l	94
4) Vinyl Chloride	2.344	62	43693	45.206	ug/l	99
5) Bromomethane	2.767	94	26776	42.896	ug/l	95
6) Chloroethane	2.914	64	29195	46.545	ug/l	96
7) Trichlorofluoromethane	3.261	101	138253	49.237	ug/l	98
8) Diethyl Ether	3.708	74	39079	51.791	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.085	101	86497	50.912	ug/l	95
10) Methyl Iodide	4.291	142	91442	44.578	ug/l	98
11) Tert butyl alcohol	5.214	59	25158	256.740	ug/l	97
12) 1,1-Dichloroethene	4.061	96	74395	48.963	ug/l	85
13) Acrolein	3.926	56	7468	183.939	ug/l	95
14) Allyl chloride	4.702	41	115392	48.510	ug/l #	94
15) Acrylonitrile	5.408	53	90552	258.101	ug/l	96
16) Acetone	4.149	43	87697	292.523	ug/l	94
17) Carbon Disulfide	4.396	76	184274	38.100	ug/l	98
18) Methyl Acetate	4.708	43	42555	48.022	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	191507	52.631	ug/l	95
20) Methylene Chloride	4.949	84	98505	51.591	ug/l #	82
21) trans-1,2-Dichloroethene	5.461	96	86256	48.549	ug/l	87
22) Diisopropyl ether	6.355	45	252396	51.737	ug/l #	90
23) Vinyl Acetate	6.296	43	670250	243.878	ug/l #	90
24) 1,1-Dichloroethane	6.255	63	160569	49.924	ug/l	99
25) 2-Butanone	7.202	43	118302	254.902	ug/l #	85
26) 2,2-Dichloropropane	7.202	77	153973	53.132	ug/l	99
27) cis-1,2-Dichloroethene	7.202	96	100172	50.172	ug/l	92
28) Bromochloromethane	7.537	49	48270	49.652	ug/l #	75
29) Tetrahydrofuran	7.555	42	71937	256.839	ug/l	91
30) Chloroform	7.696	83	173531	51.173	ug/l	98
31) Cyclohexane	7.979	56	126898	45.307	ug/l #	87
32) 1,1,1-Trichloroethane	7.890	97	159304	50.695	ug/l	95
36) 1,1-Dichloropropene	8.102	75	124528	52.227	ug/l	95
37) Ethyl Acetate	7.285	43	51668	54.960	ug/l #	94
38) Carbon Tetrachloride	8.090	117	143065	55.855	ug/l	98
39) Methylcyclohexane	9.349	83	137682	45.901	ug/l	95
40) Benzene	8.343	78	349443	51.992	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28926	51.186	ug/l #	88
42) 1,2-Dichloroethane	8.414	62	105253	53.127	ug/l	97
43) Isopropyl Acetate	8.443	43	99199	52.458	ug/l #	93
44) Trichloroethene	9.102	130	100365	51.507	ug/l	90
45) 1,2-Dichloropropane	9.379	63	89850	53.554	ug/l	96
46) Dibromomethane	9.467	93	50632	54.094	ug/l	93
47) Bromodichloromethane	9.649	83	131617	54.063	ug/l	98
48) Methyl methacrylate	9.449	41	48175	55.106	ug/l	89
49) 1,4-Dioxane	9.449	88	11434	1076.555	ug/l	97
51) 4-Methyl-2-Pentanone	10.214	43	265826	281.371	ug/l	93
52) Toluene	10.396	92	231377	52.370	ug/l	96
53) t-1,3-Dichloropropene	10.608	75	119506	54.130	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	143993	55.008	ug/l #	89
55) 1,1,2-Trichloroethane	10.784	97	69953	54.645	ug/l	90
56) Ethyl methacrylate	10.649	69	84607	57.855	ug/l #	83
57) 1,3-Dichloropropane	10.931	76	113252	52.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.931	63	95689	216.164	ug/l	93
59) 2-Hexanone	10.973	43	181295	284.612	ug/l	93
60) Dibromochloromethane	11.126	129	91735	55.179	ug/l	98
61) 1,2-Dibromoethane	11.231	107	65122	52.152	ug/l	97
64) Tetrachloroethene	10.867	164	83384	52.202	ug/l	95
65) Chlorobenzene	11.655	112	252335	52.895	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	96957	54.060	ug/l	99
67) Ethyl Benzene	11.731	91	445343	54.547	ug/l	96
68) m/p-Xylenes	11.837	106	355822	109.420	ug/l	96
69) o-Xylene	12.167	106	162916	54.296	ug/l	95
70) Styrene	12.184	104	284751	55.352	ug/l	97
71) Bromoform	12.343	173	53472	54.820	ug/l #	99
73) Isopropylbenzene	12.467	105	445633	52.934	ug/l	99
74) N-amyl acetate	12.273	43	92280	50.390	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.714	83	76737	51.036	ug/l	98
76) 1,2,3-Trichloropropane	12.767	75	50554m	44.530	ug/l	
77) Bromobenzene	12.743	156	103222	51.752	ug/l	86
78) n-propylbenzene	12.802	91	541733	52.615	ug/l	96
79) 2-Chlorotoluene	12.890	91	309709	52.093	ug/l	96
80) 1,3,5-Trimethylbenzene	12.943	105	377925	52.253	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.514	75	23598	53.454	ug/l	88
82) 4-Chlorotoluene	12.990	91	319603	50.816	ug/l	97
83) tert-Butylbenzene	13.208	119	323583	53.113	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	370852	52.686	ug/l	98
85) sec-Butylbenzene	13.384	105	493065	53.541	ug/l	97
86) p-Isopropyltoluene	13.496	119	412853	54.333	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	209769	51.992	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	208694	51.341	ug/l	99
89) n-Butylbenzene	13.825	91	380211	52.794	ug/l	97
90) Hexachloroethane	14.090	117	80005	51.899	ug/l	96
91) 1,2-Dichlorobenzene	13.867	146	181830	51.832	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.484	75	13001	52.818	ug/l	92
93) 1,2,4-Trichlorobenzene	15.137	180	113616	53.066	ug/l	98
94) Hexachlorobutadiene	15.243	225	63254	52.644	ug/l	97
95) Naphthalene	15.378	128	206031	47.698	ug/l	99
96) 1,2,3-Trichlorobenzene	15.566	180	98755	52.889	ug/l	99

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

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