

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051922\
 Data File : VD073136.D
 Acq On : 19 May 2022 13:09
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: May 19 14:18:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 14:16:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	335020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	582053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	544609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	260561	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	37799	9.240	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	18.480%#		
35) Dibromofluoromethane	7.903	113	39021	9.661	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.320%#		
50) Toluene-d8	10.332	98	138844	9.463	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.920%#		
62) 4-Bromofluorobenzene	12.620	95	48014	9.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.220%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	37943	9.245	ug/l	97
3) Chloromethane	2.209	50	41415	9.772	ug/l	97
4) Vinyl Chloride	2.350	62	37741	9.657	ug/l	100
5) Bromomethane	2.768	94	28233	10.177	ug/l	91
6) Chloroethane	2.921	64	22993	9.436	ug/l	98
7) Trichlorofluoromethane	3.268	101	66698	9.337	ug/l	100
8) Diethyl Ether	3.703	74	17149	8.815	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	39568	9.357	ug/l	97
10) Methyl Iodide	4.297	142	34260	7.995	ug/l	98
11) Tert butyl alcohol	5.179	59	34150	53.911	ug/l #	74
12) 1,1-Dichloroethene	4.068	96	35149	9.149	ug/l	86
13) Acrolein	3.921	56	12874	39.244	ug/l	99
14) Allyl chloride	4.715	41	50960	8.385	ug/l	97
15) Acrylonitrile	5.415	53	37400	40.674	ug/l	99
16) Acetone	4.144	43	34741	47.474	ug/l	97
17) Carbon Disulfide	4.403	76	118740	9.284	ug/l	97
18) Methyl Acetate	4.715	43	17245	7.392	ug/l	92
19) Methyl tert-butyl Ether	5.467	73	74162	8.369	ug/l	93
20) Methylene Chloride	4.956	84	52763	9.787	ug/l #	85
21) trans-1,2-Dichloroethene	5.467	96	40603	8.916	ug/l	91
22) Diisopropyl ether	6.362	45	111648	8.621	ug/l #	94
23) Vinyl Acetate	6.303	43	286267m	41.248	ug/l	
24) 1,1-Dichloroethane	6.256	63	74580	9.206	ug/l	97
25) 2-Butanone	7.209	43	45904	41.260	ug/l	100
26) 2,2-Dichloropropane	7.203	77	64572	9.382	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	44834	8.929	ug/l	93
28) Bromochloromethane	7.544	49	23586	8.476	ug/l #	82
29) Tetrahydrofuran	7.556	42	28843	40.540	ug/l	92
30) Chloroform	7.709	83	80505	9.311	ug/l	98
31) Cyclohexane	7.979	56	68857	9.268	ug/l #	88
32) 1,1,1-Trichloroethane	7.903	97	71142	9.577	ug/l	93
36) 1,1-Dichloropropene	8.109	75	58992	8.986	ug/l	97
37) Ethyl Acetate	7.285	43	22208	8.230	ug/l #	93
38) Carbon Tetrachloride	8.091	117	58739	8.748	ug/l	99
39) Methylcyclohexane	9.350	83	61532	8.075	ug/l	95
40) Benzene	8.344	78	168443	9.017	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	14062	9.405	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	46582	8.628	ug/l	96
43) Isopropyl Acetate	8.444	43	40604	8.052	ug/l #	91
44) Trichloroethene	9.108	130	44757	8.811	ug/l	94
45) 1,2-Dichloropropane	9.379	63	41917	8.655	ug/l	95
46) Dibromomethane	9.467	93	22787	8.531	ug/l	94
47) Bromodichloromethane	9.656	83	60004	8.839	ug/l	99
48) Methyl methacrylate	9.450	41	20189	8.132	ug/l #	88
49) 1,4-Dioxane	9.461	88	4537	165.278	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	107408	41.017	ug/l	98
52) Toluene	10.397	92	104261	8.765	ug/l	97
53) t-1,3-Dichloropropene	10.608	75	52578	8.530	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	62957	8.619	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	33187	9.125	ug/l	99
56) Ethyl methacrylate	10.655	69	31213	7.613	ug/l	87
57) 1,3-Dichloropropane	10.938	76	52008	8.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	50880	27.842	ug/l	96
59) 2-Hexanone	10.979	43	66924	38.707	ug/l	96
60) Dibromochloromethane	11.132	129	39724	8.784	ug/l	98
61) 1,2-Dibromoethane	11.238	107	29781	8.505	ug/l	99
64) Tetrachloroethene	10.867	164	38900	9.867	ug/l	95
65) Chlorobenzene	11.661	112	111945	9.185	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	42078	9.035	ug/l	98
67) Ethyl Benzene	11.738	91	191215	8.994	ug/l	100
68) m/p-Xylenes	11.844	106	149264	18.054	ug/l	98
69) o-Xylene	12.167	106	65653	8.649	ug/l	96
70) Styrene	12.185	104	115412	8.734	ug/l	98
71) Bromoform	12.349	173	22304	9.217	ug/l #	96
73) Isopropylbenzene	12.467	105	175320	8.910	ug/l	98
74) N-amyl acetate	12.279	43	38244	8.500	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	35983	9.453	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	29806m	10.328	ug/l	
77) Bromobenzene	12.749	156	41207	8.862	ug/l	98
78) n-propylbenzene	12.808	91	224716	9.107	ug/l	99
79) 2-Chlorotoluene	12.897	91	130343	9.101	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	150994	9.030	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	10439	8.699	ug/l	87
82) 4-Chlorotoluene	12.996	91	137336	9.051	ug/l	94
83) tert-Butylbenzene	13.214	119	124590	8.794	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	151211	9.126	ug/l	97
85) sec-Butylbenzene	13.391	105	198873	9.240	ug/l	99
86) p-Isopropyltoluene	13.502	119	159841	9.144	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	88624	9.274	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	90834	9.604	ug/l	99
89) n-Butylbenzene	13.826	91	149256	8.787	ug/l	99
90) Hexachloroethane	14.096	117	34190	9.404	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	75139	9.062	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	5285	8.958	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	40285	8.522	ug/l	96
94) Hexachlorobutadiene	15.249	225	24143	9.151	ug/l	98
95) Naphthalene	15.385	128	66562	7.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	35539	8.478	ug/l	99

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

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