

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074415.D
 Acq On : 26 Sep 2022 12:04
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/27/2022
 Supervised By :mohammad ahmed 09/27/2022

Quant Time: Sep 27 02:01:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:58:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	58318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	94619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	83471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	42151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4899	9.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.600%#		
35) Dibromofluoromethane	7.810	113	8266	11.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	23.760%#		
50) Toluene-d8	10.269	98	19686	9.109	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.220%#		
62) 4-Bromofluorobenzene	12.569	95	11437	13.205	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	26.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.928	85	5423	11.406	ug/l	99
3) Chloromethane	2.146	50	5904	12.319	ug/l	93
4) Vinyl Chloride	2.281	62	4685	11.489	ug/l #	83
5) Bromomethane	2.681	94	3436	10.985	ug/l	97
6) Chloroethane	2.834	64	3037	10.744	ug/l #	86
7) Trichlorofluoromethane	3.164	101	10613	11.259	ug/l	96
8) Diethyl Ether	3.587	74	2818	10.045	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.958	101	6560	10.212	ug/l	97
10) Methyl Iodide	4.169	142	4094	7.392	ug/l #	91
11) Tert butyl alcohol	5.010	59	5937	65.251	ug/l #	84
12) 1,1-Dichloroethene	3.928	96	6470	10.701	ug/l	92
13) Acrolein	3.793	56	1992	56.809	ug/l	100
14) Allyl chloride	4.552	41	6146	9.894	ug/l	94
15) Acrylonitrile	5.258	53	5608	47.707	ug/l	96
16) Acetone	4.016	43	4795	49.916	ug/l	96
17) Carbon Disulfide	4.269	76	16274	11.796	ug/l	95
18) Methyl Acetate	4.558	43	3018	9.627	ug/l	93
19) Methyl tert-butyl Ether	5.310	73	12651	9.734	ug/l	99
20) Methylene Chloride	4.799	84	11763	12.414	ug/l	89
21) trans-1,2-Dichloroethene	5.310	96	6849	10.630	ug/l	92
22) Diisopropyl ether	6.222	45	14581	10.223	ug/l	94
23) Vinyl Acetate	6.152	43	27199m	46.412	ug/l	
24) 1,1-Dichloroethane	6.110	63	11236	10.403	ug/l	96
25) 2-Butanone	7.081	43	6703	50.502	ug/l	91
26) 2,2-Dichloropropane	7.081	77	10047	10.103	ug/l	100
27) cis-1,2-Dichloroethene	7.069	96	7478	9.853	ug/l	94
28) Bromochloromethane	7.422	49	3451	9.966	ug/l #	95
29) Tetrahydrofuran	7.446	42	3864	50.901	ug/l	95
30) Chloroform	7.599	83	12630	10.426	ug/l	92
31) Cyclohexane	7.875	56	9451	11.167	ug/l #	88
32) 1,1,1-Trichloroethane	7.787	97	10375	9.968	ug/l	97
36) 1,1-Dichloropropene	8.004	75	9560	11.189	ug/l	94
37) Ethyl Acetate	7.163	43	2847	10.032	ug/l #	88
38) Carbon Tetrachloride	7.987	117	7814	9.663	ug/l	96
39) Methylcyclohexane	9.269	83	10456	10.369	ug/l	99
40) Benzene	8.246	78	26395	10.443	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1545	8.877	ug/l #	90
42) 1,2-Dichloroethane	8.322	62	6694	10.586	ug/l	96
43) Isopropyl Acetate	8.357	43	5494	9.993	ug/l #	89
44) Trichloroethene	9.022	130	7941	10.339	ug/l	89
45) 1,2-Dichloropropane	9.304	63	6059	10.044	ug/l #	84
46) Dibromomethane	9.393	93	3820	10.614	ug/l	91
47) Bromodichloromethane	9.581	83	9066	9.922	ug/l	97
48) Methyl methacrylate	9.375	41	2427	9.822	ug/l	94
49) 1,4-Dioxane	9.387	88	489	137.507	ug/l #	71
51) 4-Methyl-2-Pentanone	10.157	43	14248	50.315	ug/l	96
52) Toluene	10.328	92	16777	10.305	ug/l	99
53) t-1,3-Dichloropropene	10.557	75	7400	9.724	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	9603	9.929	ug/l	98
55) 1,1,2-Trichloroethane	10.728	97	4857	9.756	ug/l	95
56) Ethyl methacrylate	10.598	69	5322	9.609	ug/l	98
57) 1,3-Dichloropropane	10.881	76	8325	10.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	2500	29.043	ug/l	99
59) 2-Hexanone	10.916	43	9129	47.924	ug/l	99
60) Dibromochloromethane	11.069	129	5959	9.610	ug/l	97
61) 1,2-Dibromoethane	11.175	107	5084	10.596	ug/l	94
64) Tetrachloroethene	10.810	164	7463	11.454	ug/l	85
65) Chlorobenzene	11.604	112	18567	10.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	6570	10.110	ug/l	98
67) Ethyl Benzene	11.681	91	31763	10.041	ug/l	97
68) m/p-Xylenes	11.792	106	25176	20.211	ug/l	100
69) o-Xylene	12.116	106	11632	10.056	ug/l	100
70) Styrene	12.134	104	19623	9.775	ug/l	98
71) Bromoform	12.298	173	3651	10.178	ug/l #	99
73) Isopropylbenzene	12.416	105	31439	10.087	ug/l	100
74) N-amyl acetate	12.228	43	4686	9.555	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.663	83	5772	10.568	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	3745m	11.510	ug/l	
77) Bromobenzene	12.692	156	7718	10.390	ug/l	96
78) n-propylbenzene	12.757	91	38640	10.298	ug/l	100
79) 2-Chlorotoluene	12.845	91	20974	10.370	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	26149	10.143	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.463	75	1176	8.950	ug/l	95
82) 4-Chlorotoluene	12.945	91	21603	10.384	ug/l	97
83) tert-Butylbenzene	13.163	119	23096	9.954	ug/l	97
84) 1,2,4-Trimethylbenzene	13.210	105	25837	10.067	ug/l	100
85) sec-Butylbenzene	13.339	105	35638	10.189	ug/l	100
86) p-Isopropyltoluene	13.457	119	29009	9.946	ug/l	99
87) 1,3-Dichlorobenzene	13.451	146	15146	9.956	ug/l	99
88) 1,4-Dichlorobenzene	13.534	146	15586	10.237	ug/l	98
89) n-Butylbenzene	13.781	91	26481	9.812	ug/l	100
90) Hexachloroethane	14.045	117	5224	10.122	ug/l	95
91) 1,2-Dichlorobenzene	13.822	146	13611	10.298	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.445	75	791	11.509	ug/l	85
93) 1,2,4-Trichlorobenzene	15.092	180	9019	10.127	ug/l	99
94) Hexachlorobutadiene	15.198	225	4652	9.465	ug/l	96
95) Naphthalene	15.322	128	15807	9.652	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	7637	9.876	ug/l	99

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

