

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092622\
 Data File : VD074414.D
 Acq On : 26 Sep 2022 11:09
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa
 Patel

09/27/2022
 Supervised By :mohammad
 ahmed

Quant Time: Sep 27 03:11:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D092622S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 03:04:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	54124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	89005	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	81395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40197	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	2761	5.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	11.860%#
35) Dibromofluoromethane	7.804	113	3254	4.954	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.900%#
50) Toluene-d8	10.263	98	12005	5.931	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	11.860%#
62) 4-Bromofluorobenzene	12.569	95	3537	4.348	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	8.700%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	2160	4.860	ug/l	86
3) Chloromethane	2.140	50	2407	5.447	ug/l #	85
4) Vinyl Chloride	2.281	62	1714	4.496	ug/l #	86
5) Bromomethane	2.693	94	1696	5.788	ug/l #	73
6) Chloroethane	2.834	64	1144	4.380	ug/l	91
7) Trichlorofluoromethane	3.163	101	4388	4.990	ug/l	86
8) Diethyl Ether	3.587	74	1169	4.510	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.958	101	2884	4.834	ug/l	94
10) Methyl Iodide	4.163	142	1578	3.036	ug/l #	82
11) Tert butyl alcohol	5.010	59	4800	55.183	ug/l #	84
12) 1,1-Dichloroethene	3.928	96	2504	4.449	ug/l	90
13) Acrolein	3.793	56	789	24.401	ug/l	98
14) Allyl chloride	4.558	41	2738	4.718	ug/l	98
15) Acrylonitrile	5.240	53	2796m	25.429	ug/l	
16) Acetone	4.022	43	2863	31.671	ug/l	91
17) Carbon Disulfide	4.269	76	5244	4.078	ug/l #	73
18) Methyl Acetate	4.563	43	2116	7.238	ug/l #	79
19) Methyl tert-butyl Ether	5.316	73	5732	4.738	ug/l	92
20) Methylene Chloride	4.799	84	6990	7.849	ug/l #	93
21) trans-1,2-Dichloroethene	5.305	96	2555	4.271	ug/l	86
22) Diisopropyl ether	6.204	45	6132	4.620	ug/l	94
23) Vinyl Acetate	6.152	43	11144	19.779	ug/l #	91
24) 1,1-Dichloroethane	6.110	63	4778	4.780	ug/l #	78
25) 2-Butanone	7.075	43	3496	28.224	ug/l	96
26) 2,2-Dichloropropane	7.069	77	4978	5.354	ug/l	88
27) cis-1,2-Dichloroethene	7.075	96	3527	4.968	ug/l	93
28) Bromochloromethane	7.428	49	1484	4.660	ug/l #	97
29) Tetrahydrofuran	7.440	42	1644	23.376	ug/l #	81
30) Chloroform	7.587	83	5810	5.165	ug/l	89
31) Cyclohexane	7.875	56	4217	5.330	ug/l #	87
32) 1,1,1-Trichloroethane	7.793	97	4528	4.689	ug/l	93
36) 1,1-Dichloropropene	8.004	75	3596	4.449	ug/l	95
37) Ethyl Acetate	7.169	43	1213	4.554	ug/l #	66
38) Carbon Tetrachloride	7.987	117	3403	4.400	ug/l	89
39) Methylcyclohexane	9.275	83	4188	4.373	ug/l	93
40) Benzene	8.251	78	11190	4.690	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.416	41	795m	4.950	ug/l	
42) 1,2-Dichloroethane	8.322	62	2938	4.908	ug/l	81
43) Isopropyl Acetate	8.357	43	2321	4.482	ug/l #	82
44) Trichloroethene	9.028	130	3521	4.825	ug/l	90
45) 1,2-Dichloropropane	9.304	63	2553	4.512	ug/l #	88
46) Dibromomethane	9.393	93	1387	4.149	ug/l	91
47) Bromodichloromethane	9.581	83	4397	5.086	ug/l	99
48) Methyl methacrylate	9.387	41	962	4.160	ug/l #	86
49) 1,4-Dioxane	9.369	88	172	52.916	ug/l #	32
51) 4-Methyl-2-Pentanone	10.157	43	6129	23.032	ug/l	96
52) Toluene	10.334	92	7328	4.752	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	3333	4.639	ug/l	99
54) cis-1,3-Dichloropropene	10.010	75	4376	4.772	ug/l	97
55) 1,1,2-Trichloroethane	10.728	97	2260	4.856	ug/l	92
56) Ethyl methacrylate	10.598	69	2390	4.578	ug/l	96
57) 1,3-Dichloropropane	10.881	76	3820	5.035	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	1773	21.385	ug/l #	81
59) 2-Hexanone	10.922	43	4242	23.619	ug/l	98
60) Dibromochloromethane	11.075	129	2866	4.917	ug/l	96
61) 1,2-Dibromoethane	11.175	107	2147	4.746	ug/l	97
64) Tetrachloroethene	10.810	164	3106	4.921	ug/l	91
65) Chlorobenzene	11.604	112	8514	4.830	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	2980	4.670	ug/l	97
67) Ethyl Benzene	11.681	91	14150	4.562	ug/l	99
68) m/p-Xylenes	11.792	106	10423	8.563	ug/l	97
69) o-Xylene	12.116	106	4629	4.101	ug/l	86
70) Styrene	12.134	104	8850	4.498	ug/l	99
71) Bromoform	12.298	173	1593	4.530	ug/l #	92
73) Isopropylbenzene	12.416	105	13610	4.561	ug/l	100
74) N-amyl acetate	12.234	43	2267	4.819	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.669	83	2544	4.886	ug/l #	97
76) 1,2,3-Trichloropropane	12.722	75	1585m	5.041	ug/l	
77) Bromobenzene	12.698	156	3319	4.695	ug/l	94
78) n-propylbenzene	12.757	91	16696	4.651	ug/l	99
79) 2-Chlorotoluene	12.845	91	9087	4.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.898	105	11678	4.730	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.457	75	543	4.215	ug/l #	85
82) 4-Chlorotoluene	12.945	91	9342	4.703	ug/l	95
83) tert-Butylbenzene	13.163	119	10879	4.869	ug/l	96
84) 1,2,4-Trimethylbenzene	13.210	105	11717	4.767	ug/l	99
85) sec-Butylbenzene	13.339	105	15850	4.740	ug/l	98
86) p-Isopropyltoluene	13.457	119	13089	4.683	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	7096	4.890	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	7299	5.025	ug/l	95
89) n-Butylbenzene	13.781	91	12924	4.987	ug/l	93
90) Hexachloroethane	14.051	117	2292	4.633	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	6382	5.044	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	150m	2.289	ug/l	
93) 1,2,4-Trichlorobenzene	15.092	180	4324	5.047	ug/l	94
94) Hexachlorobutadiene	15.198	225	2504	5.333	ug/l	93
95) Naphthalene	15.328	128	7395	4.740	ug/l	98
96) 1,2,3-Trichlorobenzene	15.510	180	3547	4.828	ug/l	96

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ClientSampleId :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

09/27/2022

