

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073796.D
 Acq On : 06 Jul 2022 17:17
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

Quant Time: Jul 07 04:58:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	115241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	226940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	207031	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	92898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8981	7.733	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	15.460%#		
35) Dibromofluoromethane	7.909	113	8131	6.514	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	13.020%#		
50) Toluene-d8	10.332	98	28433	6.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery =	12.540%#		
62) 4-Bromofluorobenzene	12.620	95	11952	6.632	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery =	13.260%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	5523	7.747	ug/l	88
3) Chloromethane	2.209	50	6935	8.354	ug/l #	83
4) Vinyl Chloride	2.338	62	7771	8.251	ug/l	96
5) Bromomethane	2.750	94	7531	11.212	ug/l	98
6) Chloroethane	2.909	64	6032	8.684	ug/l	96
7) Trichlorofluoromethane	3.262	101	12446	7.413	ug/l	96
8) Diethyl Ether	3.709	74	3481	6.209	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	7424	6.747	ug/l	99
10) Methyl Iodide	4.291	142	4504	5.819	ug/l	95
11) Tert butyl alcohol	5.173	59	36162	125.201	ug/l #	95
12) 1,1-Dichloroethene	4.056	96	5943	6.313	ug/l #	76
13) Acrolein	3.938	56	312	7.299	ug/l #	15
14) Allyl chloride	4.703	41	10899	6.640	ug/l	97
15) Acrylonitrile	5.420	53	9091	29.407	ug/l #	81
16) Acetone	4.150	43	11077	46.051	ug/l	98
17) Carbon Disulfide	4.403	76	10093	6.817	ug/l	97
18) Methyl Acetate	4.709	43	9752	10.472	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	20050	6.432	ug/l	100
20) Methylene Chloride	4.956	84	31031	20.167	ug/l	85
21) trans-1,2-Dichloroethene	5.479	96	6918	6.481	ug/l #	75
22) Diisopropyl ether	6.356	45	25587	6.138	ug/l	98
23) Vinyl Acetate	6.297	43	55732	26.154	ug/l	97
24) 1,1-Dichloroethane	6.250	63	15288	6.564	ug/l #	91
25) 2-Butanone	7.209	43	15486	38.633	ug/l	93
26) 2,2-Dichloropropane	7.197	77	15389	7.233	ug/l	93
27) cis-1,2-Dichloroethene	7.203	96	9595	6.597	ug/l	96
28) Bromochloromethane	7.538	49	6249	7.014	ug/l #	98
29) Tetrahydrofuran	7.556	42	7582	30.306	ug/l	97
30) Chloroform	7.697	83	16831	6.763	ug/l	97
31) Cyclohexane	7.973	56	13622	7.600	ug/l #	77
32) 1,1,1-Trichloroethane	7.897	97	14830	6.843	ug/l	99
36) 1,1-Dichloropropene	8.103	75	10403	6.056	ug/l	96
37) Ethyl Acetate	7.291	43	6256	6.753	ug/l #	90
38) Carbon Tetrachloride	8.085	117	12154	6.511	ug/l	87
39) Methylcyclohexane	9.350	83	11431	5.931	ug/l	92
40) Benzene	8.344	78	30949	6.060	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	3716	6.386	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	10215	6.469	ug/l	96
43) Isopropyl Acetate	8.450	43	11657	5.904	ug/l #	81
44) Trichloroethene	9.103	130	8866	6.596	ug/l	80
45) 1,2-Dichloropropane	9.379	63	8318	5.678	ug/l	100
46) Dibromomethane	9.473	93	5169	6.668	ug/l	93
47) Bromodichloromethane	9.650	83	13412	6.388	ug/l #	96
48) Methyl methacrylate	9.450	41	5536	6.271	ug/l	96
49) 1,4-Dioxane	9.456	88	1019	97.592	ug/l #	81
51) 4-Methyl-2-Pentanone	10.226	43	29567	29.222	ug/l	99
52) Toluene	10.391	92	19345	5.678	ug/l	93
53) t-1,3-Dichloropropene	10.608	75	12151	5.928	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	13797	5.984	ug/l	93
55) 1,1,2-Trichloroethane	10.791	97	6698	5.812	ug/l	91
56) Ethyl methacrylate	10.650	69	7880	5.177	ug/l	98
57) 1,3-Dichloropropane	10.938	76	11199	5.761	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	17740	29.138	ug/l	100
59) 2-Hexanone	10.979	43	20290	29.535	ug/l	99
60) Dibromochloromethane	11.126	129	8152	5.797	ug/l	100
61) 1,2-Dibromoethane	11.238	107	5980	5.646	ug/l	95
64) Tetrachloroethene	10.873	164	7055	6.679	ug/l	91
65) Chlorobenzene	11.661	112	22783	5.925	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	8553	5.879	ug/l	94
67) Ethyl Benzene	11.732	91	41094	5.843	ug/l	100
68) m/p-Xylenes	11.850	106	31762	11.851	ug/l	99
69) o-Xylene	12.167	106	14260	5.448	ug/l	99
70) Styrene	12.179	104	25169	5.583	ug/l	99
71) Bromoform	12.344	173	3762	4.902	ug/l #	98
73) Isopropylbenzene	12.467	105	40112	5.678	ug/l	98
74) N-amyl acetate	12.279	43	11193	5.771	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.714	83	7921	5.557	ug/l	96
76) 1,2,3-Trichloropropane	12.767	75	5866m	6.644	ug/l	
77) Bromobenzene	12.749	156	8337	5.766	ug/l	93
78) n-propylbenzene	12.808	91	52269	5.921	ug/l	98
79) 2-Chlorotoluene	12.897	91	28883	5.831	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	34081	5.788	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.508	75	2568	5.586	ug/l	96
82) 4-Chlorotoluene	12.991	91	30860	5.983	ug/l	100
83) tert-Butylbenzene	13.208	119	28652	5.479	ug/l	92
84) 1,2,4-Trimethylbenzene	13.255	105	33895	5.835	ug/l	99
85) sec-Butylbenzene	13.391	105	47069	5.865	ug/l	98
86) p-Isopropyltoluene	13.502	119	37428	5.819	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	18164	5.998	ug/l	93
88) 1,4-Dichlorobenzene	13.579	146	18614	6.167	ug/l	94
89) n-Butylbenzene	13.826	91	37856	5.833	ug/l	99
90) Hexachloroethane	14.102	117	7529	5.855	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	15320	5.688	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.491	75	1332	5.587	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	9336	5.890	ug/l	97
94) Hexachlorobutadiene	15.249	225	4861	6.211	ug/l	96
95) Naphthalene	15.379	128	19842	5.605	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	8120	5.856	ug/l	95

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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

