

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072143.D
 Acq On : 11 Mar 2022 10:47
 Operator : VA/SY
 Sample : VSTDICC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 01:25:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 01:23:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	384926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	632983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	591773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	305067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	24183	5.136	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.280%#		
35) Dibromofluoromethane	7.914	113	23412	5.642	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.280%#		
50) Toluene-d8	10.332	98	78242	5.056	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	12.626	95	32750	5.952	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	11.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	26210	5.851	ug/l	96
3) Chloromethane	2.209	50	28169	5.436	ug/l	99
4) Vinyl Chloride	2.350	62	24226	4.506	ug/l	99
5) Bromomethane	2.762	94	16905	4.778	ug/l	93
6) Chloroethane	2.921	64	15180	4.454	ug/l	99
7) Trichlorofluoromethane	3.273	101	46184	5.701	ug/l	98
8) Diethyl Ether	3.715	74	11712	5.536	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.103	101	27221	5.865	ug/l	94
10) Methyl Iodide	4.303	142	23182	5.091	ug/l	99
11) Tert butyl alcohol	5.226	59	6966	20.267	ug/l #	74
12) 1,1-Dichloroethene	4.073	96	24807	5.974	ug/l	82
13) Acrolein	3.926	56	7436	18.696	ug/l	94
14) Allyl chloride	4.715	41	36051	4.620	ug/l	96
15) Acrylonitrile	5.420	53	25305	23.796	ug/l	95
16) Acetone	4.162	43	27850	22.404	ug/l	92
17) Carbon Disulfide	4.403	76	78572	5.677	ug/l	100
18) Methyl Acetate	4.720	43	22890	8.332	ug/l	94
19) Methyl tert-butyl Ether	5.485	73	52780	5.302	ug/l #	87
20) Methylene Chloride	4.962	84	36156	6.607	ug/l	85
21) trans-1,2-Dichloroethene	5.468	96	27380	5.680	ug/l	96
22) Diisopropyl ether	6.367	45	74429	4.832	ug/l	91
23) Vinyl Acetate	6.303	43	131638	15.710	ug/l #	90
24) 1,1-Dichloroethane	6.267	63	49950	5.505	ug/l	97
25) 2-Butanone	7.209	43	33737	22.920	ug/l	96
26) 2,2-Dichloropropane	7.209	77	39959	5.230	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	29809	5.665	ug/l	92
28) Bromochloromethane	7.544	49	18390	5.333	ug/l	87
29) Tetrahydrofuran	7.567	42	19785	22.589	ug/l	93
30) Chloroform	7.703	83	51040	5.464	ug/l	100
31) Cyclohexane	7.985	56	53204	5.894	ug/l #	81
32) 1,1,1-Trichloroethane	7.903	97	46156	5.563	ug/l	99
36) 1,1-Dichloropropene	8.109	75	39030	5.525	ug/l	96
37) Ethyl Acetate	7.291	43	14572	4.564	ug/l #	87
38) Carbon Tetrachloride	8.097	117	41914	5.897	ug/l	97
39) Methylcyclohexane	9.350	83	46818	5.726	ug/l	96
40) Benzene	8.344	78	110455	5.778	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	6955	3.875	ug/l #	72
42) 1,2-Dichloroethane	8.420	62	32519	5.475	ug/l	95
43) Isopropyl Acetate	8.450	43	27656	4.795	ug/l #	89
44) Trichloroethene	9.108	130	31574	6.278	ug/l	95
45) 1,2-Dichloropropane	9.379	63	28586	5.794	ug/l	98
46) Dibromomethane	9.473	93	14544	5.701	ug/l	94
47) Bromodichloromethane	9.656	83	39935	5.822	ug/l	91
48) Methyl methacrylate	9.456	41	14207	4.660	ug/l	91
49) 1,4-Dioxane	9.461	88	2999	103.402	ug/l #	82
51) 4-Methyl-2-Pentanone	10.220	43	68135	22.618	ug/l	95
52) Toluene	10.397	92	64706	5.381	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	36251	5.785	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	41685	5.642	ug/l	92
55) 1,1,2-Trichloroethane	10.797	97	20086	5.820	ug/l	93
56) Ethyl methacrylate	10.655	69	21833	5.179	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	33737	5.534	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	49641	25.376	ug/l	94
59) 2-Hexanone	10.973	43	45830	21.239	ug/l	98
60) Dibromochloromethane	11.132	129	26416	6.158	ug/l	97
61) 1,2-Dibromoethane	11.244	107	18709	5.674	ug/l	96
64) Tetrachloroethene	10.867	164	27309	6.457	ug/l	97
65) Chlorobenzene	11.661	112	78313	6.175	ug/l	89
66) 1,1,1,2-Tetrachloroethane	11.738	131	28151	6.037	ug/l	99
67) Ethyl Benzene	11.738	91	129137	5.565	ug/l	95
68) m/p-Xylenes	11.844	106	96010	10.878	ug/l	100
69) o-Xylene	12.173	106	43824	5.419	ug/l	97
70) Styrene	12.185	104	74148	5.340	ug/l	98
71) Bromoform	12.349	173	14129	5.721	ug/l #	91
73) Isopropylbenzene	12.473	105	118899	4.985	ug/l	98
74) N-amyl acetate	12.279	43	24616	4.378	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	22100	5.107	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	17668m	5.474	ug/l	
77) Bromobenzene	12.755	156	29235	5.531	ug/l	89
78) n-propylbenzene	12.814	91	150088	5.059	ug/l	100
79) 2-Chlorotoluene	12.897	91	86441	5.145	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	103916	5.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	6597	5.072	ug/l #	89
82) 4-Chlorotoluene	12.997	91	92042	5.260	ug/l	99
83) tert-Butylbenzene	13.214	119	88129	5.317	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	103609	5.340	ug/l	100
85) sec-Butylbenzene	13.391	105	129665	5.020	ug/l	98
86) p-Isopropyltoluene	13.502	119	110116	5.247	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	60782	5.645	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	62256	5.789	ug/l	97
89) n-Butylbenzene	13.826	91	101936	4.953	ug/l	99
90) Hexachloroethane	14.096	117	21875	5.256	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	51792	5.622	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	3552	4.983	ug/l	85
93) 1,2,4-Trichlorobenzene	15.143	180	31709	5.741	ug/l	98
94) Hexachlorobutadiene	15.249	225	19229	6.240	ug/l	97
95) Naphthalene	15.385	128	49335	5.050	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	28302	6.002	ug/l	95

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

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