

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042722\
 Data File : VD072711.D
 Acq On : 27 Apr 2022 12:04
 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 : John Carlone 04/28/2022
 Supervised By : Mahesh Dadoda 04/28/2022

Quant Time: Apr 27 13:59:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D042722S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 27 13:58:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	320539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	578506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	556566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	259357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	21083	5.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.940%#		
35) Dibromofluoromethane	7.920	113	17090	3.965	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	7.940%#		
50) Toluene-d8	10.331	98	58433	3.896	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	7.800%#		
62) 4-Bromofluorobenzene	12.625	95	23495	3.998	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	8.000%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	23224	8.676	ug/l	98
3) Chloromethane	2.208	50	26688	10.345	ug/l	93
4) Vinyl Chloride	2.350	62	24020	9.271	ug/l	90
5) Bromomethane	2.767	94	16565	8.805	ug/l	99
6) Chloroethane	2.926	64	15089	8.486	ug/l	97
7) Trichlorofluoromethane	3.279	101	38056	6.978	ug/l	94
8) Diethyl Ether	3.714	74	10690	6.465	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	21028	5.886	ug/l	96
10) Methyl Iodide	4.302	142	19051	6.433	ug/l	99
11) Tert butyl alcohol	5.202	59	16236	74.694	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	19842	6.952	ug/l	95
13) Acrolein	3.920	56	9488	70.827	ug/l	98
14) Allyl chloride	4.726	41	31222	6.726	ug/l	97
15) Acrylonitrile	5.426	53	24251	29.405	ug/l	96
16) Acetone	4.161	43	23082	31.943	ug/l	94
17) Carbon Disulfide	4.408	76	66026	11.450	ug/l #	92
18) Methyl Acetate	4.726	43	12147	5.853	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	44658	5.362	ug/l	98
20) Methylene Chloride	4.967	84	90346	20.120	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	23267	7.243	ug/l	84
22) Diisopropyl ether	6.361	45	65448	5.671	ug/l #	95
23) Vinyl Acetate	6.308	43	178364m	31.429	ug/l	
24) 1,1-Dichloroethane	6.267	63	42304	6.139	ug/l	96
25) 2-Butanone	7.208	43	31624	31.404	ug/l	96
26) 2,2-Dichloropropane	7.202	77	34194	5.665	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	24712	5.769	ug/l	99
28) Bromochloromethane	7.543	49	15560	5.208	ug/l	88
29) Tetrahydrofuran	7.555	42	18245	29.626	ug/l	95
30) Chloroform	7.702	83	43448	5.665	ug/l	92
31) Cyclohexane	7.985	56	40134	7.851	ug/l #	79
32) 1,1,1-Trichloroethane	7.896	97	36250	5.621	ug/l	98
36) 1,1-Dichloropropene	8.108	75	32635	6.333	ug/l	98
37) Ethyl Acetate	7.290	43	14349	5.957	ug/l #	95
38) Carbon Tetrachloride	8.090	117	34139	5.760	ug/l	98
39) Methylcyclohexane	9.355	83	35080	6.213	ug/l	98
40) Benzene	8.343	78	95495	6.237	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	8327	6.213	ug/l #	87
42) 1,2-Dichloroethane	8.414	62	29500	6.223	ug/l	98
43) Isopropyl Acetate	8.449	43	25385	5.527	ug/l #	93
44) Trichloroethene	9.108	130	24798	5.786	ug/l	100
45) 1,2-Dichloropropane	9.379	63	24213	5.671	ug/l	99
46) Dibromomethane	9.473	93	13542	5.985	ug/l	96
47) Bromodichloromethane	9.655	83	34318	5.348	ug/l	90
48) Methyl methacrylate	9.449	41	11328	5.013	ug/l #	78
49) 1,4-Dioxane	9.449	88	3191	118.047	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	64736	26.403	ug/l	94
52) Toluene	10.396	92	56383	5.586	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	29645	5.296	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	35186	5.314	ug/l	93
55) 1,1,2-Trichloroethane	10.790	97	19167	5.678	ug/l	95
56) Ethyl methacrylate	10.655	69	17353	4.527	ug/l	96
57) 1,3-Dichloropropane	10.937	76	29678	5.268	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	38208	21.787	ug/l	91
59) 2-Hexanone	10.979	43	41156	24.690	ug/l	98
60) Dibromochloromethane	11.126	129	22698	5.238	ug/l	96
61) 1,2-Dibromoethane	11.243	107	16651	5.473	ug/l	96
64) Tetrachloroethene	10.867	164	19691	5.606	ug/l	94
65) Chlorobenzene	11.661	112	61621	5.145	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.737	131	22479	4.716	ug/l	97
67) Ethyl Benzene	11.737	91	99647	4.778	ug/l	99
68) m/p-Xylenes	11.849	106	74457	9.389	ug/l	97
69) o-Xylene	12.167	106	35372	4.620	ug/l	99
70) Styrene	12.184	104	57264	4.262	ug/l	97
71) Bromoform	12.349	173	12756	5.010	ug/l #	97
73) Isopropylbenzene	12.473	105	89660	4.469	ug/l	99
74) N-amyl acetate	12.278	43	22253	5.031	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	20270	5.166	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	10311m	3.638	ug/l	
77) Bromobenzene	12.749	156	22252	4.871	ug/l	97
78) n-propylbenzene	12.808	91	111794	4.590	ug/l	100
79) 2-Chlorotoluene	12.896	91	68216	4.782	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	73933	4.285	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	5842	5.120	ug/l	96
82) 4-Chlorotoluene	12.990	91	73781	4.938	ug/l	100
83) tert-Butylbenzene	13.208	119	62349	4.201	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	75115	4.433	ug/l	100
85) sec-Butylbenzene	13.390	105	98450	4.421	ug/l	99
86) p-Isopropyltoluene	13.502	119	76232	4.173	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	46708	4.959	ug/l	98
88) 1,4-Dichlorobenzene	13.584	146	47069	4.960	ug/l	93
89) n-Butylbenzene	13.831	91	74514	4.278	ug/l	99
90) Hexachloroethane	14.096	117	17347	4.623	ug/l	91
91) 1,2-Dichlorobenzene	13.872	146	40299	4.862	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3364	5.758	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	21410	4.198	ug/l	96
94) Hexachlorobutadiene	15.249	225	12856	4.545	ug/l	98
95) Naphthalene	15.378	128	37987	3.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.572	180	19735	4.424	ug/l	99

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

