

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050222\
 Data File : VD072759.D
 Acq On : 02 May 2022 21:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/03/2022
 Supervised By : Mahesh Dadoda 05/03/2022

Quant Time: May 03 08:37:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	294013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	500109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	496830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	192889	50.541	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.080%			
35) Dibromofluoromethane	7.909	113	181717	51.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.480%			
50) Toluene-d8	10.332	98	652054	51.754	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.500%			
62) 4-Bromofluorobenzene	12.620	95	243772	51.890	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	189567	46.659	ug/l	99
3) Chloromethane	2.209	50	197585	46.763	ug/l	98
4) Vinyl Chloride	2.344	62	179658	47.386	ug/l	97
5) Bromomethane	2.762	94	111795	47.872	ug/l	88
6) Chloroethane	2.915	64	115244	48.771	ug/l	98
7) Trichlorofluoromethane	3.268	101	321254	48.389	ug/l	99
8) Diethyl Ether	3.703	74	97901	51.436	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	194324	49.302	ug/l	97
10) Methyl Iodide	4.297	142	197461	49.919	ug/l	100
11) Tert butyl alcohol	5.215	59	69340	209.989	ug/l #	83
12) 1,1-Dichloroethene	4.062	96	175929	49.624	ug/l	94
13) Acrolein	3.920	56	53757	233.448	ug/l	97
14) Allyl chloride	4.709	41	302535	52.856	ug/l	94
15) Acrylonitrile	5.415	53	230534	254.858	ug/l	98
16) Acetone	4.150	43	168265	234.699	ug/l	91
17) Carbon Disulfide	4.403	76	556614	49.932	ug/l	99
18) Methyl Acetate	4.715	43	103329	49.754	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	457838	53.870	ug/l	96
20) Methylene Chloride	4.956	84	252037	55.961	ug/l	87
21) trans-1,2-Dichloroethene	5.473	96	212992	52.384	ug/l	91
22) Diisopropyl ether	6.356	45	685454	54.440	ug/l	94
23) Vinyl Acetate	6.297	43	1893738	272.265	ug/l #	94
24) 1,1-Dichloroethane	6.262	63	396443	52.407	ug/l	97
25) 2-Butanone	7.209	43	276722	248.848	ug/l	94
26) 2,2-Dichloropropane	7.203	77	315232	49.292	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	246279	52.885	ug/l	92
28) Bromochloromethane	7.538	49	158510	56.189	ug/l	84
29) Tetrahydrofuran	7.556	42	190368	268.577	ug/l	95
30) Chloroform	7.703	83	418705	52.310	ug/l	96
31) Cyclohexane	7.979	56	314019	47.068	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	350380	51.361	ug/l	96
36) 1,1-Dichloropropene	8.108	75	294226	51.518	ug/l	97
37) Ethyl Acetate	7.285	43	135382	51.566	ug/l	98
38) Carbon Tetrachloride	8.091	117	303433	51.182	ug/l	98
39) Methylcyclohexane	9.350	83	334521	50.498	ug/l	98
40) Benzene	8.344	78	878397	53.259	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	79174	50.646	ug/l	93
42) 1,2-Dichloroethane	8.414	62	258739	52.060	ug/l	96
43) Isopropyl Acetate	8.444	43	251967	51.997	ug/l #	93
44) Trichloroethene	9.103	130	226575	51.350	ug/l	92
45) 1,2-Dichloropropane	9.379	63	228393	52.730	ug/l	96
46) Dibromomethane	9.467	93	126286	52.856	ug/l	98
47) Bromodichloromethane	9.655	83	326486	53.118	ug/l	98
48) Methyl methacrylate	9.450	41	130762	55.159	ug/l	91
49) 1,4-Dioxane	9.455	88	28316	1052.445	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	680298	270.170	ug/l	95
52) Toluene	10.397	92	561244	54.552	ug/l	99
53) t-1,3-Dichloropropene	10.608	75	297249	52.651	ug/l	96
54) cis-1,3-Dichloropropene	10.079	75	349183	53.237	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	171400	53.066	ug/l	96
56) Ethyl methacrylate	10.650	69	214952	56.523	ug/l	89
57) 1,3-Dichloropropane	10.938	76	295096	53.240	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	556791	301.979	ug/l	98
59) 2-Hexanone	10.973	43	458407	270.550	ug/l	94
60) Dibromochloromethane	11.132	129	216776	53.314	ug/l	97
61) 1,2-Dibromoethane	11.238	107	161828	51.475	ug/l	97
64) Tetrachloroethene	10.867	164	179148	49.319	ug/l	96
65) Chlorobenzene	11.661	112	604803	52.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	225557	52.229	ug/l	98
67) Ethyl Benzene	11.732	91	1068898	53.748	ug/l	99
68) m/p-Xylenes	11.844	106	831690	108.567	ug/l	99
69) o-Xylene	12.173	106	385980	53.949	ug/l	99
70) Styrene	12.185	104	694481	56.025	ug/l	97
71) Bromoform	12.349	173	118332	50.558	ug/l #	99
73) Isopropylbenzene	12.467	105	1018093	53.556	ug/l	99
74) N-amyl acetate	12.279	43	251417	53.109	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	191534	49.913	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	135588m	49.767	ug/l	
77) Bromobenzene	12.749	156	234204	51.883	ug/l	96
78) n-propylbenzene	12.808	91	1260745	52.621	ug/l	99
79) 2-Chlorotoluene	12.896	91	734444	52.477	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	861176	53.426	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	59216	49.982	ug/l	93
82) 4-Chlorotoluene	12.991	91	768032	52.522	ug/l	100
83) tert-Butylbenzene	13.208	119	731113	53.351	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	865233	53.701	ug/l	100
85) sec-Butylbenzene	13.385	105	1093542	52.908	ug/l	100
86) p-Isopropyltoluene	13.502	119	892096	52.643	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	461741	50.776	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	460219	50.820	ug/l	99
89) n-Butylbenzene	13.826	91	858181	52.277	ug/l	99
90) Hexachloroethane	14.096	117	177560	51.147	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	413718	52.202	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	30618	50.334	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	239621	51.053	ug/l	100
94) Hexachlorobutadiene	15.249	225	121935	47.569	ug/l	100
95) Naphthalene	15.379	128	460076	53.314	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	213102	51.219	ug/l	100

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

