

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042522\
 Data File : VD072701.D
 Acq On : 25 Apr 2022 09:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/26/2022
 Supervised By : Mahesh Dadoda 04/26/2022

Quant Time: Apr 26 01:12:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	354736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	575069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	534191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	272347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	210318	49.011	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.020%		
35) Dibromofluoromethane	7.903	113	219270	49.064	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.120%		
50) Toluene-d8	10.332	98	725021	46.671	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.340%		
62) 4-Bromofluorobenzene	12.620	95	299034	49.288	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.580%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	130334	46.295	ug/l	97
3) Chloromethane	2.209	50	142048	54.550	ug/l	100
4) Vinyl Chloride	2.350	62	153461	51.249	ug/l	99
5) Bromomethane	2.768	94	112297	55.964	ug/l	95
6) Chloroethane	2.921	64	111782	58.283	ug/l	98
7) Trichlorofluoromethane	3.273	101	344204	56.328	ug/l	97
8) Diethyl Ether	3.709	74	98593	54.293	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.097	101	220074	54.001	ug/l	96
10) Methyl Iodide	4.297	142	184736	48.733	ug/l	98
11) Tert butyl alcohol	5.209	59	80870	356.860	ug/l	99
12) 1,1-Dichloroethene	4.068	96	174775	54.854	ug/l	89
13) Acrolein	3.926	56	13991	139.126	ug/l	97
14) Allyl chloride	4.715	41	289437	51.693	ug/l	92
15) Acrylonitrile	5.409	53	249202	274.400	ug/l	97
16) Acetone	4.150	43	235707	294.571	ug/l	92
17) Carbon Disulfide	4.409	76	332606	48.331	ug/l	98
18) Methyl Acetate	4.715	43	110285	48.923	ug/l #	90
19) Methyl tert-butyl Ether	5.467	73	527435	56.715	ug/l	97
20) Methylene Chloride	4.956	84	224198	47.065	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	203819	52.374	ug/l	90
22) Diisopropyl ether	6.356	45	720580	56.290	ug/l #	94
23) Vinyl Acetate	6.297	43	1921383	278.327	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	426959	55.350	ug/l	98
25) 2-Butanone	7.203	43	320389	289.510	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	397142	57.964	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	266938	55.180	ug/l	92
28) Bromochloromethane	7.538	49	170483	51.580	ug/l #	74
29) Tetrahydrofuran	7.556	42	187881	281.201	ug/l	90
30) Chloroform	7.703	83	482047	55.553	ug/l	100
31) Cyclohexane	7.979	56	304690	54.302	ug/l	88
32) 1,1,1-Trichloroethane	7.897	97	426978	58.015	ug/l	95
36) 1,1-Dichloropropene	8.103	75	304851	53.302	ug/l	97
37) Ethyl Acetate	7.285	43	137187	57.933	ug/l #	94
38) Carbon Tetrachloride	8.091	117	359363	58.368	ug/l	99
39) Methylcyclohexane	9.350	83	339514	50.985	ug/l	97
40) Benzene	8.344	78	905908	58.042	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	77279	55.647	ug/l #	80
42) 1,2-Dichloroethane	8.414	62	271551	56.922	ug/l	96
43) Isopropyl Acetate	8.444	43	270865	59.631	ug/l #	93
44) Trichloroethene	9.103	130	249561	56.321	ug/l	93
45) 1,2-Dichloropropane	9.379	63	244289	56.265	ug/l	96
46) Dibromomethane	9.467	93	132608	58.215	ug/l	98
47) Bromodichloromethane	9.655	83	371624	56.788	ug/l	97
48) Methyl methacrylate	9.450	41	119198	54.051	ug/l #	78
49) 1,4-Dioxane	9.450	88	31605	1166.382	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	705481	289.450	ug/l	91
52) Toluene	10.397	92	600014	57.868	ug/l	95
53) t-1,3-Dichloropropene	10.614	75	330876	58.022	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	386032	57.255	ug/l	90
55) 1,1,2-Trichloroethane	10.791	97	195955	56.743	ug/l	97
56) Ethyl methacrylate	10.650	69	228067	53.623	ug/l	85
57) 1,3-Dichloropropane	10.938	76	314431	55.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	496677	291.318	ug/l	94
59) 2-Hexanone	10.973	43	506360	305.510	ug/l	94
60) Dibromochloromethane	11.132	129	252017	56.574	ug/l	98
61) 1,2-Dibromoethane	11.238	107	176378	57.525	ug/l	98
64) Tetrachloroethene	10.867	164	195791	56.097	ug/l	92
65) Chlorobenzene	11.661	112	668739	55.993	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	266465	55.806	ug/l	99
67) Ethyl Benzene	11.738	91	1195588	57.371	ug/l	100
68) m/p-Xylenes	11.844	106	908230	114.877	ug/l	100
69) o-Xylene	12.173	106	435708	57.119	ug/l	96
70) Styrene	12.185	104	773319	57.522	ug/l	97
71) Bromoform	12.349	173	142013	56.103	ug/l #	99
73) Isopropylbenzene	12.467	105	1213124	55.155	ug/l	99
74) N-amyl acetate	12.279	43	252413	54.694	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	218086	52.348	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	157622m	53.064	ug/l	
77) Bromobenzene	12.749	156	265536	53.862	ug/l	94
78) n-propylbenzene	12.808	91	1454361	54.811	ug/l	98
79) 2-Chlorotoluene	12.896	91	830343	53.510	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1013495	53.802	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	70346	58.112	ug/l	85
82) 4-Chlorotoluene	12.991	91	882558	54.610	ug/l	100
83) tert-Butylbenzene	13.208	119	913810	56.034	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1011926	54.934	ug/l	99
85) sec-Butylbenzene	13.391	105	1349729	54.947	ug/l	100
86) p-Isopropyltoluene	13.502	119	1100870	54.829	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	544383	53.290	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	534403	51.904	ug/l	99
89) n-Butylbenzene	13.826	91	1042697	54.514	ug/l	98
90) Hexachloroethane	14.096	117	220652	53.682	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	477571	53.004	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	35067	56.914	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	299570	53.640	ug/l	99
94) Hexachlorobutadiene	15.249	225	169399	54.151	ug/l	99
95) Naphthalene	15.385	128	557889	51.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	259689	53.277	ug/l	98

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

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