

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101221\
 Data File : VD070690.D
 Acq On : 12 Oct 2021 20:21
 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

MMDadoda
 10/15/2021 1:18:44 AM

Quant Time: Oct 13 06:40:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	467104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	860781	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	825078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	365062	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	259233	47.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.32%		
35) Dibromofluoromethane	7.908	113	275610	48.16	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.32%		
50) Toluene-d8	10.332	98	1064677	48.66	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.32%		
62) 4-Bromofluorobenzene	12.620	95	382706	52.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	104.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	214732	37.69	ug/l	98
3) Chloromethane	2.209	50	267476	37.81	ug/l	99
4) Vinyl Chloride	2.344	62	290881	37.11	ug/l	97
5) Bromomethane	2.756	94	179902	36.85	ug/l	98
6) Chloroethane	2.915	64	164725	32.91	ug/l	97
7) Trichlorofluoromethane	3.268	101	403122	39.68	ug/l	95
8) Diethyl Ether	3.709	74	131699	49.83	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	259029	42.07	ug/l	98
10) Methyl Iodide	4.297	142	272150	43.34	ug/l	98
11) Tert butyl alcohol	5.220	59	69595	255.56	ug/l #	85
12) 1,1-Dichloroethene	4.062	96	247410	45.14	ug/l	92
13) Acrolein	3.920	56	57922	221.54	ug/l	97
14) Allyl chloride	4.709	41	361008	47.31	ug/l	100
15) Acrylonitrile	5.414	53	298793	260.56	ug/l	98
16) Acetone	4.156	43	205278	219.90	ug/l	97
17) Carbon Disulfide	4.403	76	805720	40.26	ug/l	98
18) Methyl Acetate	4.714	43	178261	49.49	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	615085	56.33	ug/l	93
20) Methylene Chloride	4.956	84	352155	51.32	ug/l	95
21) trans-1,2-Dichloroethene	5.467	96	298600	46.31	ug/l	98
22) Diisopropyl ether	6.361	45	820475	52.34	ug/l	98
23) Vinyl Acetate	6.303	43	1878794	263.63	ug/l	99
24) 1,1-Dichloroethane	6.261	63	546242	47.31	ug/l	99
25) 2-Butanone	7.208	43	327680	268.10	ug/l	99
26) 2,2-Dichloropropane	7.208	77	416755	43.62	ug/l	99
27) cis-1,2-Dichloroethene	7.203	96	343388	50.68	ug/l	98
28) Bromochloromethane	7.544	49	192358	47.85	ug/l	95
29) Tetrahydrofuran	7.556	42	219160	278.20	ug/l	99
30) Chloroform	7.708	83	566779	47.19	ug/l	99
31) Cyclohexane	7.979	56	498936	49.02	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	481875	46.58	ug/l	99
36) 1,1-Dichloropropene	8.108	75	422984	46.27	ug/l	99
37) Ethyl Acetate	7.291	43	152400	50.18	ug/l	98
38) Carbon Tetrachloride	8.091	117	406345	42.47	ug/l	96
39) Methylcyclohexane	9.350	83	568224	54.05	ug/l	98
40) Benzene	8.350	78	1249953	46.39	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	73479	46.91	ug/l	93
42) 1,2-Dichloroethane	8.420	62	321962	46.20	ug/l	98
43) Isopropyl Acetate	8.450	43	304714	54.75	ug/l	97
44) Trichloroethene	9.108	130	314837	47.38	ug/l	98
45) 1,2-Dichloropropane	9.379	63	327249	47.59	ug/l	100
46) Dibromomethane	9.467	93	165800	46.98	ug/l	97
47) Bromodichloromethane	9.655	83	429676	47.18	ug/l	100
48) Methyl methacrylate	9.450	41	154858	59.36	ug/l	96
49) 1,4-Dioxane	9.461	88	39012	1087.79	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	795851	277.18	ug/l	98
52) Toluene	10.397	92	809067	48.88	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	371254	46.57	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	434436	45.27	ug/l	99
55) 1,1,2-Trichloroethane	10.791	97	259975	54.07	ug/l	97
56) Ethyl methacrylate	10.655	69	305554	53.12	ug/l	99
57) 1,3-Dichloropropane	10.938	76	404157	49.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	651194	281.10	ug/l	99
59) 2-Hexanone	10.979	43	554672	266.76	ug/l	99
60) Dibromochloromethane	11.132	129	275329	47.53	ug/l	99
61) 1,2-Dibromoethane	11.238	107	223334	49.89	ug/l	98
64) Tetrachloroethene	10.867	164	251404	47.52	ug/l	95
65) Chlorobenzene	11.661	112	835176	47.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	299239	45.72	ug/l	99
67) Ethyl Benzene	11.738	91	1687361	55.58	ug/l	100
68) m/p-Xylenes	11.844	106	1155754	96.66	ug/l	98
69) o-Xylene	12.167	106	552858	51.99	ug/l	98
70) Styrene	12.185	104	947072	50.55	ug/l	99
71) Bromoform	12.349	173	151428	49.28	ug/l #	99
73) Isopropylbenzene	12.467	105	1498098	56.29	ug/l	100
74) N-amyl acetate	12.279	43	300187	59.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	255869	49.17	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	189193m	57.26	ug/l	
77) Bromobenzene	12.749	156	309049	51.94	ug/l	97
78) n-propylbenzene	12.808	91	1937488	57.53	ug/l	98
79) 2-Chlorotoluene	12.896	91	1031989	52.23	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1231769	54.27	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	64838	43.57	ug/l	95
82) 4-Chlorotoluene	12.991	91	1061710	51.40	ug/l	100
83) tert-Butylbenzene	13.208	119	1037294	55.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1224582	54.22	ug/l	99
85) sec-Butylbenzene	13.385	105	1555913	53.50	ug/l	98
86) p-Isopropyltoluene	13.502	119	1266685	53.33	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	616267	49.32	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	608064	49.09	ug/l	100
89) n-Butylbenzene	13.826	91	1244214	54.87	ug/l	99
90) Hexachloroethane	14.096	117	253923	49.44	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	533360	50.06	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40141	53.43	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	329587	57.46	ug/l	99
94) Hexachlorobutadiene	15.249	225	191922	52.95	ug/l	98
95) Naphthalene	15.379	128	686683	58.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	285069	56.42	ug/l	98

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

