

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070724.D
 Acq On : 18 Oct 2021 12:26
 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

MMDadoda

10/19/2021 5:22:56 PM

Quant Time: Oct 19 06:39:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	438923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	700824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	639372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	311282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	236731	45.536	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.080%		
35) Dibromofluoromethane	7.914	113	218627	48.720	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.440%		
50) Toluene-d8	10.332	98	860201	50.006	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.020%		
62) 4-Bromofluorobenzene	12.626	95	297295	50.193	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	256666	50.016	ug/l	95
3) Chloromethane	2.209	50	355227	46.651	ug/l	99
4) Vinyl Chloride	2.350	62	380801	48.801	ug/l	98
5) Bromomethane	2.768	94	221771	46.611	ug/l	98
6) Chloroethane	2.921	64	235288	47.882	ug/l	94
7) Trichlorofluoromethane	3.273	101	425941	48.286	ug/l	99
8) Diethyl Ether	3.709	74	105276	44.793	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.097	101	256449	48.602	ug/l	99
10) Methyl Iodide	4.297	142	244071	44.950	ug/l	100
11) Tert butyl alcohol	5.215	59	53537	183.958	ug/l #	84
12) 1,1-Dichloroethene	4.068	96	228364	47.864	ug/l	83
13) Acrolein	3.926	56	52867	187.685	ug/l	97
14) Allyl chloride	4.715	41	445416	49.321	ug/l #	90
15) Acrylonitrile	5.415	53	270938	218.931	ug/l	98
16) Acetone	4.156	43	343363	273.836	ug/l	95
17) Carbon Disulfide	4.409	76	867951	49.925	ug/l	99
18) Methyl Acetate	4.715	43	185073	42.462	ug/l #	86
19) Methyl tert-butyl Ether	5.479	73	480222	46.556	ug/l	100
20) Methylene Chloride	4.967	84	312275	49.458	ug/l #	88
21) trans-1,2-Dichloroethene	5.473	96	276058	50.437	ug/l	95
22) Diisopropyl ether	6.362	45	887657	50.484	ug/l #	93
23) Vinyl Acetate	6.303	43	2039926	220.968	ug/l #	93
24) 1,1-Dichloroethane	6.262	63	520114	47.483	ug/l	97
25) 2-Butanone	7.209	43	362874	234.255	ug/l #	87
26) 2,2-Dichloropropane	7.209	77	435297	50.245	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	281403	47.947	ug/l	88
28) Bromochloromethane	7.544	49	193325	44.393	ug/l	86
29) Tetrahydrofuran	7.561	42	214075	225.749	ug/l #	84
30) Chloroform	7.703	83	493343	46.099	ug/l	98
31) Cyclohexane	7.985	56	518780	49.324	ug/l	87
32) 1,1,1-Trichloroethane	7.903	97	441996	48.684	ug/l	97
36) 1,1-Dichloropropene	8.108	75	405703	51.965	ug/l	97
37) Ethyl Acetate	7.291	43	153164	47.353	ug/l #	92
38) Carbon Tetrachloride	8.091	117	387137	51.772	ug/l	97
39) Methylcyclohexane	9.350	83	473376	53.766	ug/l #	85
40) Benzene	8.350	78	1120426	49.830	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	98001	48.122	ug/l #	74
42) 1,2-Dichloroethane	8.420	62	301866	47.304	ug/l	96
43) Isopropyl Acetate	8.444	43	286182	46.383	ug/l	92
44) Trichloroethene	9.108	130	267157	50.597	ug/l	97
45) 1,2-Dichloropropane	9.385	63	292196	49.184	ug/l	99
46) Dibromomethane	9.473	93	133510	46.930	ug/l	96
47) Bromodichloromethane	9.655	83	363679	48.189	ug/l	99
48) Methyl methacrylate	9.450	41	144791	47.905	ug/l #	85
49) 1,4-Dioxane	9.461	88	26911	880.965	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	764889	235.197	ug/l	90
52) Toluene	10.397	92	688798	51.454	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	327268	48.548	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	398450	49.376	ug/l #	86
55) 1,1,2-Trichloroethane	10.797	97	181486	46.450	ug/l	98
56) Ethyl methacrylate	10.655	69	225250	43.008	ug/l #	80
57) 1,3-Dichloropropane	10.938	76	328079	47.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	513588	249.570	ug/l	94
59) 2-Hexanone	10.979	43	586649	256.283	ug/l	87
60) Dibromochloromethane	11.132	129	211306	47.057	ug/l	99
61) 1,2-Dibromoethane	11.238	107	163457	45.724	ug/l	98
64) Tetrachloroethene	10.867	164	219326	51.049	ug/l	93
65) Chlorobenzene	11.661	112	658336	50.207	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	245585	50.617	ug/l	98
67) Ethyl Benzene	11.738	91	1289647	53.790	ug/l	98
68) m/p-Xylenes	11.844	106	988726	108.855	ug/l	97
69) o-Xylene	12.173	106	436580	52.985	ug/l	96
70) Styrene	12.185	104	767408	53.581	ug/l	96
71) Bromoform	12.355	173	118999	47.235	ug/l #	99
73) Isopropylbenzene	12.473	105	1196829	53.960	ug/l	100
74) N-amyl acetate	12.279	43	271894	47.088	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	204066	46.511	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	138495m	51.498	ug/l	
77) Bromobenzene	12.749	156	250949	49.977	ug/l	99
78) n-propylbenzene	12.808	91	1579362	54.783	ug/l	98
79) 2-Chlorotoluene	12.896	91	873654	52.437	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1035138	55.209	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	63134	51.419	ug/l	89
82) 4-Chlorotoluene	12.996	91	916832	52.022	ug/l	97
83) tert-Butylbenzene	13.214	119	829867	53.556	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	1007396	54.038	ug/l	99
85) sec-Butylbenzene	13.391	105	1321527	54.271	ug/l	99
86) p-Isopropyltoluene	13.502	119	1081541	55.244	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	525407	49.829	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	503397	48.346	ug/l	99
89) n-Butylbenzene	13.832	91	1080669	54.696	ug/l	99
90) Hexachloroethane	14.096	117	208810	49.427	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	441956	49.042	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30711	43.886	ug/l	94
93) 1,2,4-Trichlorobenzene	15.143	180	260220	50.479	ug/l	98
94) Hexachlorobutadiene	15.249	225	173279	51.260	ug/l	99
95) Naphthalene	15.385	128	425681	42.986	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	226286	49.404	ug/l	97

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

