

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092921\
 Data File : VD070515.D
 Acq On : 29 Sep 2021 11:34
 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
 9/30/2021 6:19:47 PM

Quant Time: Sep 30 00:42:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	393520	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	664647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	624719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	303244	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	228111	45.145	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 90.280%			
35) Dibromofluoromethane	7.909	113	240350	50.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.600%			
50) Toluene-d8	10.332	98	913123	53.159	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.320%			
62) 4-Bromofluorobenzene	12.626	95	309030	51.477	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	189229	47.916	ug/l	98
3) Chloromethane	2.209	50	254048	47.522	ug/l	99
4) Vinyl Chloride	2.350	62	286431	46.262	ug/l	96
5) Bromomethane	2.762	94	181352	48.031	ug/l	96
6) Chloroethane	2.921	64	190351	50.845	ug/l	98
7) Trichlorofluoromethane	3.273	101	404126	49.348	ug/l	99
8) Diethyl Ether	3.709	74	109701	48.457	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	256639	50.451	ug/l	98
10) Methyl Iodide	4.297	142	226407	46.564	ug/l	98
11) Tert butyl alcohol	5.215	59	59813	104.693	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	225428	49.205	ug/l	97
13) Acrolein	3.921	56	49446	196.849	ug/l	95
14) Allyl chloride	4.709	41	321916	47.817	ug/l	99
15) Acrylonitrile	5.420	53	274134	254.148	ug/l	97
16) Acetone	4.156	43	260859	289.163	ug/l	94
17) Carbon Disulfide	4.409	76	735014	43.483	ug/l	100
18) Methyl Acetate	4.715	43	127239	51.436	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	522709	52.795	ug/l	97
20) Methylene Chloride	4.962	84	290088	51.879	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	269661	49.446	ug/l	98
22) Diisopropyl ether	6.362	45	735350	51.032	ug/l	99
23) Vinyl Acetate	6.303	43	1745398	261.467	ug/l	98
24) 1,1-Dichloroethane	6.256	63	485998	47.668	ug/l	98
25) 2-Butanone	7.209	43	314246	261.684	ug/l	92
26) 2,2-Dichloropropane	7.209	77	417027	50.604	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	297125	50.718	ug/l	99
28) Bromochloromethane	7.538	49	192848	47.672	ug/l	98
29) Tetrahydrofuran	7.556	42	197434	256.116	ug/l	97
30) Chloroform	7.709	83	508805	48.678	ug/l	99
31) Cyclohexane	7.979	56	416123	47.808	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	445772	50.669	ug/l	99
36) 1,1-Dichloropropene	8.109	75	387346	54.523	ug/l	98
37) Ethyl Acetate	7.291	43	140156	52.759	ug/l	98
38) Carbon Tetrachloride	8.097	117	388888	55.349	ug/l	98
39) Methylcyclohexane	9.350	83	440698	55.528	ug/l	99
40) Benzene	8.350	78	1107281	53.186	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	73310m	52.450	ug/l	
42) 1,2-Dichloroethane	8.420	62	292715	52.496	ug/l	99
43) Isopropyl Acetate	8.450	43	254434	51.800	ug/l	99
44) Trichloroethene	9.108	130	274104	55.090	ug/l	93
45) 1,2-Dichloropropane	9.379	63	286158	52.390	ug/l	98
46) Dibromomethane	9.467	93	149881	53.287	ug/l	99
47) Bromodichloromethane	9.656	83	380086	52.969	ug/l	98
48) Methyl methacrylate	9.450	41	124585	54.934	ug/l	97
49) 1,4-Dioxane	9.456	88	34082	1209.790	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	696212	273.915	ug/l	100
52) Toluene	10.397	92	711857	56.589	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	344097	55.746	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	413961	55.107	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	206691	53.418	ug/l	97
56) Ethyl methacrylate	10.655	69	246986	58.472	ug/l	100
57) 1,3-Dichloropropane	10.938	76	359554	54.582	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	597286	293.379	ug/l	100
59) 2-Hexanone	10.979	43	504039	297.224	ug/l	100
60) Dibromochloromethane	11.132	129	249296	55.362	ug/l	98
61) 1,2-Dibromoethane	11.244	107	190676	53.583	ug/l	98
64) Tetrachloroethene	10.873	164	220526	57.979	ug/l	99
65) Chlorobenzene	11.661	112	710130	54.871	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	265508	56.015	ug/l	98
67) Ethyl Benzene	11.738	91	1318487	59.072	ug/l	100
68) m/p-Xylenes	11.844	106	1037616	120.369	ug/l	98
69) o-Xylene	12.173	106	467183	60.495	ug/l	99
70) Styrene	12.185	104	821042	60.859	ug/l	98
71) Bromoform	12.355	173	133003	56.774	ug/l #	97
73) Isopropylbenzene	12.473	105	1240916	58.351	ug/l	99
74) N-amyl acetate	12.279	43	247668	53.451	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	232737	51.098	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	149183m	48.636	ug/l	
77) Bromobenzene	12.755	156	268294	54.683	ug/l	98
78) n-propylbenzene	12.808	91	1595697	57.811	ug/l	100
79) 2-Chlorotoluene	12.897	91	893077	55.510	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1071627	58.387	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	70081	57.246	ug/l	99
82) 4-Chlorotoluene	12.997	91	943533	55.591	ug/l	99
83) tert-Butylbenzene	13.214	119	873420	59.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1073923	59.419	ug/l	98
85) sec-Butylbenzene	13.391	105	1364841	58.331	ug/l	99
86) p-Isopropyltoluene	13.502	119	1115304	59.326	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	553994	54.234	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	539395	52.608	ug/l	100
89) n-Butylbenzene	13.832	91	1073796	57.289	ug/l	99
90) Hexachloroethane	14.102	117	224394	52.142	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	476625	52.884	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	35326	51.787	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	266290	54.714	ug/l	98
94) Hexachlorobutadiene	15.249	225	166687	55.836	ug/l	98
95) Naphthalene	15.385	128	503978	56.978	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	238828	55.617	ug/l	98

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

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