

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069900.D
 Acq On : 28 Jul 2021 20:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/29/2021 4:11:51 PM

Quant Time: Jul 29 04:03:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	552570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1101993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1076197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	490683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	354499	55.782	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.560%			
35) Dibromofluoromethane	7.914	113	335719	48.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.660%			
50) Toluene-d8	10.338	98	1381976	51.591	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.626	95	486878	54.386	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	275544	47.376	ug/l	99
3) Chloromethane	2.209	50	427559	50.678	ug/l	100
4) Vinyl Chloride	2.344	62	459950	51.832	ug/l	99
5) Bromomethane	2.756	94	297090	57.018	ug/l	99
6) Chloroethane	2.915	64	308871	53.701	ug/l	96
7) Trichlorofluoromethane	3.268	101	551275	50.323	ug/l	98
8) Diethyl Ether	3.709	74	189856	61.615	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	356645	51.262	ug/l	99
10) Methyl Iodide	4.291	142	360922	52.367	ug/l	100
11) Tert butyl alcohol	5.226	59	97203	295.595	ug/l	100
12) 1,1-Dichloroethene	4.062	96	341539	54.022	ug/l	97
13) Acrolein	3.921	56	130111	282.653	ug/l	98
14) Allyl chloride	4.709	41	556979	60.089	ug/l	98
15) Acrylonitrile	5.420	53	442759	305.455	ug/l	99
16) Acetone	4.156	43	301220	262.383	ug/l	96
17) Carbon Disulfide	4.403	76	1173661	51.920	ug/l	98
18) Methyl Acetate	4.715	43	220534	66.207	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	852067	65.048	ug/l	99
20) Methylene Chloride	4.962	84	507801	62.673	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	407527	54.704	ug/l	99
22) Diisopropyl ether	6.362	45	1301870	64.634	ug/l	99
23) Vinyl Acetate	6.303	43	3176774	283.725	ug/l	98
24) 1,1-Dichloroethane	6.256	63	808833	58.139	ug/l	99
25) 2-Butanone	7.214	43	490318	314.943	ug/l	97
26) 2,2-Dichloropropane	7.203	77	584530	55.256	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	479634	60.337	ug/l	98
28) Bromochloromethane	7.544	49	304538	57.656	ug/l	99
29) Tetrahydrofuran	7.561	42	327374	325.023	ug/l	97
30) Chloroform	7.709	83	753275	53.854	ug/l	93
31) Cyclohexane	7.979	56	609761	49.106	ug/l	98
32) 1,1,1-Trichloroethane	7.897	97	604792	52.238	ug/l	99
36) 1,1-Dichloropropene	8.108	75	552789	46.483	ug/l	100
37) Ethyl Acetate	7.291	43	236528	54.634	ug/l	99
38) Carbon Tetrachloride	8.097	117	498451	45.886	ug/l	97
39) Methylcyclohexane	9.350	83	628427	46.140	ug/l	99
40) Benzene	8.344	78	1796425	52.141	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	125755	55.350	ug/l	98
42) 1,2-Dichloroethane	8.420	62	475193	52.153	ug/l	99
43) Isopropyl Acetate	8.450	43	438834	56.517	ug/l	100
44) Trichloroethene	9.108	130	400188	47.166	ug/l	98
45) 1,2-Dichloropropane	9.385	63	440446	48.669	ug/l	99
46) Dibromomethane	9.473	93	229281	51.542	ug/l	99
47) Bromodichloromethane	9.655	83	602104	52.097	ug/l	97
48) Methyl methacrylate	9.450	41	213582	51.570	ug/l	99
49) 1,4-Dioxane	9.456	88	53569	1139.816	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	1195548	295.888	ug/l	99
52) Toluene	10.397	92	1105572	52.899	ug/l	91
53) t-1,3-Dichloropropene	10.614	75	527116	54.335	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	624745	53.193	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	306632	48.802	ug/l	99
56) Ethyl methacrylate	10.655	69	416063	53.281	ug/l	97
57) 1,3-Dichloropropane	10.944	76	584688	54.994	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	959724	278.304	ug/l	99
59) 2-Hexanone	10.979	43	803014	300.458	ug/l	99
60) Dibromochloromethane	11.132	129	392186	55.115	ug/l	97
61) 1,2-Dibromoethane	11.238	107	310122	54.821	ug/l	99
64) Tetrachloroethene	10.873	164	322619	47.028	ug/l	97
65) Chlorobenzene	11.661	112	1155262	51.813	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	410879	51.226	ug/l	98
67) Ethyl Benzene	11.738	91	2103052	53.575	ug/l	98
68) m/p-Xylenes	11.849	106	1609814	105.788	ug/l	99
69) o-Xylene	12.173	106	755603	54.618	ug/l	99
70) Styrene	12.185	104	1337510	55.788	ug/l	99
71) Bromoform	12.355	173	206673	53.057	ug/l #	99
73) Isopropylbenzene	12.473	105	1951820	55.361	ug/l	100
74) N-amyl acetate	12.279	43	422710	58.290	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	379772	53.938	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	255923m	49.069	ug/l	
77) Bromobenzene	12.755	156	427341	53.817	ug/l	99
78) n-propylbenzene	12.814	91	2437033	53.819	ug/l	100
79) 2-Chlorotoluene	12.896	91	1429256	54.339	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1636536	54.263	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	96823	56.319	ug/l	98
82) 4-Chlorotoluene	12.996	91	1462504	53.186	ug/l	99
83) tert-Butylbenzene	13.214	119	1364717	55.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1650211	55.463	ug/l	99
85) sec-Butylbenzene	13.391	105	2079288	53.639	ug/l	100
86) p-Isopropyltoluene	13.508	119	1697369	53.897	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	858851	51.517	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	846913	50.968	ug/l	99
89) n-Butylbenzene	13.832	91	1643773	52.888	ug/l	99
90) Hexachloroethane	14.102	117	339606	50.907	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	750544	52.161	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	56621	55.847	ug/l	94
93) 1,2,4-Trichlorobenzene	15.149	180	424918	54.734	ug/l	100
94) Hexachlorobutadiene	15.249	225	235747	49.642	ug/l	98
95) Naphthalene	15.390	128	854110	52.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	384186	57.224	ug/l	100

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

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