

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070193.D
 Acq On : 20 Aug 2021 08:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/20/2021 6:48:20 PM

Quant Time: Aug 20 09:19:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	388050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	743089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	736554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	351414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	281878	61.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.520%	
35) Dibromofluoromethane	7.909	113	283389	59.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.060%	
50) Toluene-d8	10.332	98	1046097	56.023	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.040%	
62) 4-Bromofluorobenzene	12.626	95	343891	55.915	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	154998	40.415	ug/l	98
3) Chloromethane	2.209	50	262067	48.583	ug/l	99
4) Vinyl Chloride	2.350	62	265828	40.477	ug/l	98
5) Bromomethane	2.762	94	227285	64.305	ug/l	100
6) Chloroethane	2.915	64	217169	51.762	ug/l	99
7) Trichlorofluoromethane	3.268	101	333895	42.330	ug/l	97
8) Diethyl Ether	3.709	74	118795	52.626	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	219292	43.700	ug/l	99
10) Methyl Iodide	4.291	142	255139	55.608	ug/l	98
11) Tert butyl alcohol	5.215	59	61832	245.103	ug/l	100
12) 1,1-Dichloroethene	4.068	96	211266	45.826	ug/l	92
13) Acrolein	3.921	56	61133	210.382	ug/l	98
14) Allyl chloride	4.709	41	330791	48.088	ug/l	96
15) Acrylonitrile	5.415	53	301521	288.064	ug/l	99
16) Acetone	4.156	43	200140	238.041	ug/l	100
17) Carbon Disulfide	4.403	76	751538	45.088	ug/l	99
18) Methyl Acetate	4.715	43	162522	64.834	ug/l	100
19) Methyl tert-butyl Ether	5.468	73	554218	57.924	ug/l	98
20) Methylene Chloride	4.962	84	400664	73.802	ug/l	98
21) trans-1,2-Dichloroethene	5.462	96	281506	52.568	ug/l	97
22) Diisopropyl ether	6.356	45	852511	58.926	ug/l	97
23) Vinyl Acetate	6.303	43	1870933	285.348	ug/l	100
24) 1,1-Dichloroethane	6.256	63	541167	54.672	ug/l	99
25) 2-Butanone	7.209	43	321079	279.474	ug/l	96
26) 2,2-Dichloropropane	7.203	77	339150	44.005	ug/l	98
27) cis-1,2-Dichloroethene	7.203	96	316839	55.713	ug/l	97
28) Bromochloromethane	7.538	49	208840	57.978	ug/l	99
29) Tetrahydrofuran	7.556	42	218292	290.171	ug/l	98
30) Chloroform	7.709	83	565131	58.053	ug/l	100
31) Cyclohexane	7.979	56	366705	40.593	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	422196	51.900	ug/l	96
36) 1,1-Dichloropropene	8.109	75	368099	46.046	ug/l	99
37) Ethyl Acetate	7.279	43	162148	55.843	ug/l	99
38) Carbon Tetrachloride	8.091	117	342905	47.249	ug/l	96
39) Methylcyclohexane	9.350	83	368677	39.611	ug/l	97
40) Benzene	8.344	78	1216905	52.483	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	89811	57.210	ug/l	94
42) 1,2-Dichloroethane	8.420	62	325894	54.842	ug/l	97
43) Isopropyl Acetate	8.444	43	290847	53.653	ug/l	99
44) Trichloroethene	9.108	130	279951	49.980	ug/l	100
45) 1,2-Dichloropropane	9.379	63	328276	54.506	ug/l	95
46) Dibromomethane	9.473	93	167965	57.418	ug/l	99
47) Bromodichloromethane	9.656	83	425249	56.187	ug/l	97
48) Methyl methacrylate	9.450	41	143907	55.669	ug/l	95
49) 1,4-Dioxane	9.456	88	35833	1125.577	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	799202	283.537	ug/l	100
52) Toluene	10.397	92	758378	53.736	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	361724	53.958	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	439473	54.011	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	239395	57.759	ug/l	99
56) Ethyl methacrylate	10.655	69	264987	56.181	ug/l	100
57) 1,3-Dichloropropane	10.938	76	404982	56.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	757515	304.502	ug/l	99
59) 2-Hexanone	10.979	43	535787	283.833	ug/l	100
60) Dibromochloromethane	11.132	129	270067	56.880	ug/l	98
61) 1,2-Dibromoethane	11.238	107	213282	56.840	ug/l	99
64) Tetrachloroethene	10.873	164	227057	47.784	ug/l	95
65) Chlorobenzene	11.667	112	766613	49.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	291501	53.338	ug/l	98
67) Ethyl Benzene	11.738	91	1374962	50.533	ug/l	98
68) m/p-Xylenes	11.850	106	1081353	102.551	ug/l	97
69) o-Xylene	12.173	106	495984	52.130	ug/l	99
70) Styrene	12.185	104	907250	54.445	ug/l	99
71) Bromoform	12.349	173	142888	53.663	ug/l #	99
73) Isopropylbenzene	12.473	105	1235779	48.224	ug/l	98
74) N-amyl acetate	12.279	43	271988	49.227	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	267001	52.218	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	176814m	49.614	ug/l	
77) Bromobenzene	12.755	156	294963	51.859	ug/l	96
78) n-propylbenzene	12.814	91	1580434	47.822	ug/l	100
79) 2-Chlorotoluene	12.897	91	931240	48.976	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1079852	49.497	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	71082	51.771	ug/l	97
82) 4-Chlorotoluene	12.997	91	975238	48.984	ug/l	99
83) tert-Butylbenzene	13.214	119	848914	47.873	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1087261	50.240	ug/l	100
85) sec-Butylbenzene	13.391	105	1314236	46.258	ug/l	99
86) p-Isopropyltoluene	13.508	119	1066781	46.477	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	590862	48.892	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	584556	48.836	ug/l	99
89) n-Butylbenzene	13.832	91	979656	43.494	ug/l	98
90) Hexachloroethane	14.102	117	237061	48.943	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	524503	50.651	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	36881	48.289	ug/l	97
93) 1,2,4-Trichlorobenzene	15.149	180	270606	46.992	ug/l	99
94) Hexachlorobutadiene	15.255	225	149275	43.883	ug/l	100
95) Naphthalene	15.385	128	530035	50.573	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	250919	49.916	ug/l	98

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

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