

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070155.D
 Acq On : 19 Aug 2021 06:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:39 PM

Quant Time: Aug 19 07:40:12 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	423784	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	828980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	810968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	385781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	273113	54.794	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.580%			
35) Dibromofluoromethane	7.914	113	282312	52.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.332	98	1086448	52.156	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.320%			
62) 4-Bromofluorobenzene	12.626	95	356308	51.931	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	162442	38.489	ug/l	100
3) Chloromethane	2.209	50	277155	46.895	ug/l	100
4) Vinyl Chloride	2.344	62	285166	39.761	ug/l	100
5) Bromomethane	2.756	94	210438	53.806	ug/l	95
6) Chloroethane	2.915	64	204575	44.649	ug/l	98
7) Trichlorofluoromethane	3.268	101	351409	40.794	ug/l	95
8) Diethyl Ether	3.709	74	125707	50.992	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.085	101	230421	42.046	ug/l	98
10) Methyl Iodide	4.291	142	233472	46.595	ug/l	98
11) Tert butyl alcohol	5.220	59	64401	233.761	ug/l	98
12) 1,1-Dichloroethene	4.068	96	223355	44.363	ug/l	90
13) Acrolein	3.921	56	59893	188.735	ug/l	99
14) Allyl chloride	4.709	41	351927	46.846	ug/l	97
15) Acrylonitrile	5.415	53	285844	250.060	ug/l	99
16) Acetone	4.156	43	194583	211.917	ug/l	96
17) Carbon Disulfide	4.403	76	791829	43.500	ug/l	100
18) Methyl Acetate	4.721	43	151617	55.384	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	528045	50.535	ug/l	97
20) Methylene Chloride	4.962	84	337506	54.699	ug/l	96
21) trans-1,2-Dichloroethene	5.468	96	282391	48.287	ug/l	98
22) Diisopropyl ether	6.362	45	858003	54.305	ug/l	97
23) Vinyl Acetate	6.303	43	1845612	257.751	ug/l	100
24) 1,1-Dichloroethane	6.262	63	551168	50.987	ug/l	98
25) 2-Butanone	7.209	43	316949	252.617	ug/l	97
26) 2,2-Dichloropropane	7.203	77	339729	40.363	ug/l	98
27) cis-1,2-Dichloroethene	7.209	96	325855	52.467	ug/l	97
28) Bromochloromethane	7.544	49	209923	53.364	ug/l	99
29) Tetrahydrofuran	7.556	42	209723	255.273	ug/l	99
30) Chloroform	7.709	83	534769	50.302	ug/l	98
31) Cyclohexane	7.979	56	400264	40.572	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	428425	48.225	ug/l	98
36) 1,1-Dichloropropene	8.109	75	366223	41.065	ug/l	98
37) Ethyl Acetate	7.291	43	153639	47.430	ug/l	99
38) Carbon Tetrachloride	8.091	117	338858	41.853	ug/l	96
39) Methylcyclohexane	9.356	83	373577	35.979	ug/l	98
40) Benzene	8.350	78	1215188	46.979	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	77347	44.165	ug/l #	90
42) 1,2-Dichloroethane	8.420	62	322194	48.602	ug/l	98
43) Isopropyl Acetate	8.450	43	274850	45.449	ug/l	98
44) Trichloroethene	9.109	130	291947	46.722	ug/l	100
45) 1,2-Dichloropropane	9.379	63	314672	46.834	ug/l	93
46) Dibromomethane	9.473	93	160992	49.332	ug/l	99
47) Bromodichloromethane	9.656	83	419923	49.735	ug/l	97
48) Methyl methacrylate	9.450	41	126237	43.773	ug/l #	89
49) 1,4-Dioxane	9.456	88	36010	1013.939	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	774237	246.221	ug/l	99
52) Toluene	10.397	92	767518	48.749	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	342875	45.847	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	410438	45.216	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	225662	48.804	ug/l	95
56) Ethyl methacrylate	10.656	69	258598	49.146	ug/l	98
57) 1,3-Dichloropropane	10.938	76	391510	48.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	721511	259.979	ug/l	100
59) 2-Hexanone	10.979	43	509206	241.803	ug/l	99
60) Dibromochloromethane	11.138	129	261162	49.305	ug/l	98
61) 1,2-Dibromoethane	11.238	107	207149	49.486	ug/l	99
64) Tetrachloroethene	10.873	164	230794	44.114	ug/l	97
65) Chlorobenzene	11.667	112	787333	46.467	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	283316	47.084	ug/l	99
67) Ethyl Benzene	11.738	91	1406558	46.951	ug/l	100
68) m/p-Xylenes	11.844	106	1106384	95.297	ug/l	97
69) o-Xylene	12.173	106	511588	48.837	ug/l	97
70) Styrene	12.185	104	915101	49.877	ug/l	98
71) Bromoform	12.355	173	139780	47.679	ug/l #	99
73) Isopropylbenzene	12.473	105	1275903	45.354	ug/l	99
74) N-amyl acetate	12.279	43	264048	43.532	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	256288	45.658	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	168688m	43.117	ug/l	
77) Bromobenzene	12.749	156	293831	47.057	ug/l	96
78) n-propylbenzene	12.814	91	1646628	45.386	ug/l	99
79) 2-Chlorotoluene	12.897	91	959725	45.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1121523	46.828	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	62981	41.784	ug/l	99
82) 4-Chlorotoluene	12.997	91	1006798	46.064	ug/l	100
83) tert-Butylbenzene	13.214	119	890945	45.768	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1117633	47.043	ug/l	100
85) sec-Butylbenzene	13.391	105	1394398	44.708	ug/l	99
86) p-Isopropyltoluene	13.508	119	1132802	44.956	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	597153	45.011	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	587745	44.728	ug/l	98
89) n-Butylbenzene	13.832	91	1069590	43.257	ug/l	99
90) Hexachloroethane	14.102	117	238433	44.841	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	533196	46.903	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	35347	42.158	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	283801	44.893	ug/l	98
94) Hexachlorobutadiene	15.249	225	154610	41.402	ug/l	97
95) Naphthalene	15.385	128	532669	46.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	254362	46.093	ug/l	98

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

