

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069457.D
 Acq On : 16 Jun 2021 10:24
 Operator : VA/SY
 Sample : VD0616SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 12:14:12 PM

Quant Time: Jun 17 02:46:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	391267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	637021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	601481	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	302662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	227698	51.584	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.160%	
35) Dibromofluoromethane	7.914	113	244089	51.158	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.320%	
50) Toluene-d8	10.338	98	942918	54.033	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.060%	
62) 4-Bromofluorobenzene	12.626	95	305813	54.616	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.240%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	76282	19.569	ug/l	97
3) Chloromethane	2.209	50	67309	17.261	ug/l	97
4) Vinyl Chloride	2.350	62	90387	19.165	ug/l	100
5) Bromomethane	2.756	94	71566	19.191	ug/l	91
6) Chloroethane	2.915	64	60871	18.760	ug/l	99
7) Trichlorofluoromethane	3.267	101	151065	19.583	ug/l	96
8) Diethyl Ether	3.709	74	36878	19.042	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	93561	20.396	ug/l	97
10) Methyl Iodide	4.297	142	78771	18.863	ug/l	98
11) Tert butyl alcohol	5.214	59	28972	126.248	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	79935	19.263	ug/l	94
13) Acrolein	3.926	56	24428	85.386	ug/l	93
14) Allyl chloride	4.714	41	97297	19.936	ug/l	96
15) Acrylonitrile	5.426	53	73202	98.376	ug/l	98
16) Acetone	4.156	43	63632	87.091	ug/l	93
17) Carbon Disulfide	4.409	76	238900	17.798	ug/l	99
18) Methyl Acetate	4.714	43	41233	21.653	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	145781	19.269	ug/l	100
20) Methylene Chloride	4.967	84	126476	19.523	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	95481	19.652	ug/l	97
22) Diisopropyl ether	6.367	45	202600	20.878	ug/l	97
23) Vinyl Acetate	6.303	43	495449	91.392	ug/l	100
24) 1,1-Dichloroethane	6.261	63	161108	19.943	ug/l	96
25) 2-Butanone	7.214	43	87120	95.624	ug/l	97
26) 2,2-Dichloropropane	7.208	77	148916	20.922	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	102957	19.577	ug/l	97
28) Bromochloromethane	7.544	49	54876	18.543	ug/l	94
29) Tetrahydrofuran	7.561	42	50933	99.341	ug/l	96
30) Chloroform	7.708	83	179391	19.930	ug/l	97
31) Cyclohexane	7.979	56	115815	19.308	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	162059	20.495	ug/l	99
36) 1,1-Dichloropropene	8.114	75	129471	19.518	ug/l	99
37) Ethyl Acetate	7.297	43	43213	19.472	ug/l	96
38) Carbon Tetrachloride	8.097	117	139288	19.385	ug/l	99
39) Methylcyclohexane	9.355	83	124898	18.720	ug/l	99
40) Benzene	8.350	78	380449	19.706	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	23078	20.903	ug/l #	79
42) 1,2-Dichloroethane	8.426	62	101638	19.186	ug/l	99
43) Isopropyl Acetate	8.450	43	76976	18.344	ug/l	95
44) Trichloroethene	9.114	130	104285	19.369	ug/l	95
45) 1,2-Dichloropropane	9.385	63	94401	20.031	ug/l	96
46) Dibromomethane	9.473	93	50243	18.606	ug/l	92
47) Bromodichloromethane	9.661	83	137360	19.729	ug/l	96
48) Methyl methacrylate	9.455	41	33920	17.775	ug/l	87
49) 1,4-Dioxane	9.461	88	10005	380.463	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	207576	96.956	ug/l	97
52) Toluene	10.402	92	247456	20.186	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	114702	19.234	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	142125	19.826	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	73569	19.710	ug/l	95
56) Ethyl methacrylate	10.661	69	70140	18.350	ug/l	97
57) 1,3-Dichloropropane	10.944	76	119478	19.663	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	182501	92.923	ug/l	98
59) 2-Hexanone	10.985	43	137286	96.065	ug/l	97
60) Dibromochloromethane	11.138	129	93112	19.573	ug/l	98
61) 1,2-Dibromoethane	11.244	107	69178	19.294	ug/l	99
64) Tetrachloroethene	10.873	164	93869	20.179	ug/l	93
65) Chlorobenzene	11.667	112	269438	20.366	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	102005	20.088	ug/l	99
67) Ethyl Benzene	11.743	91	441697	19.908	ug/l	98
68) m/p-Xylenes	11.849	106	361369	41.003	ug/l	99
69) o-Xylene	12.179	106	158099	20.274	ug/l	97
70) Styrene	12.191	104	282687	20.602	ug/l	99
71) Bromoform	12.355	173	52378	19.924	ug/l #	100
73) Isopropylbenzene	12.473	105	425493	19.996	ug/l	100
74) N-amyl acetate	12.285	43	71971	18.854	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	78355	19.179	ug/l	96
76) 1,2,3-Trichloropropane	12.779	75	57997m	18.901	ug/l	
77) Bromobenzene	12.755	156	106279	19.920	ug/l	98
78) n-propylbenzene	12.814	91	538499	20.622	ug/l	98
79) 2-Chlorotoluene	12.902	91	303429	20.441	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	369904	20.621	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	22744	19.774	ug/l	98
82) 4-Chlorotoluene	12.996	91	329977	20.888	ug/l	99
83) tert-Butylbenzene	13.214	119	301535	19.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	371640	20.722	ug/l	99
85) sec-Butylbenzene	13.396	105	465546	20.737	ug/l	99
86) p-Isopropyltoluene	13.508	119	398055	20.409	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	215164	20.138	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	207528	19.499	ug/l	96
89) n-Butylbenzene	13.832	91	371853	20.495	ug/l	98
90) Hexachloroethane	14.102	117	75384	19.857	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	186548	20.012	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	12385	20.130	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	108093	19.928	ug/l	98
94) Hexachlorobutadiene	15.255	225	68418	20.172	ug/l	98
95) Naphthalene	15.390	128	168188	18.465	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	92017	19.540	ug/l	98

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

