

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061621\
 Data File : VD069456.D
 Acq On : 16 Jun 2021 09:57
 Operator : VA/SY
 Sample : VD0616SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0616SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/17/2021 12:14:11 PM

Quant Time: Jun 17 02:45:20 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	387225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	634531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	609487	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	307826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	229661	52.572	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.140%			
35) Dibromofluoromethane	7.914	113	243321	51.197	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.400%			
50) Toluene-d8	10.338	98	941935	54.188	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.380%			
62) 4-Bromofluorobenzene	12.626	95	297866	53.405	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	73576	19.072	ug/l	98
3) Chloromethane	2.209	50	68166	17.664	ug/l	100
4) Vinyl Chloride	2.350	62	86716	18.578	ug/l	98
5) Bromomethane	2.756	94	71249	19.314	ug/l	93
6) Chloroethane	2.920	64	61266	19.079	ug/l	96
7) Trichlorofluoromethane	3.273	101	151432	19.836	ug/l	95
8) Diethyl Ether	3.709	74	37892	19.770	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	95216	20.973	ug/l	96
10) Methyl Iodide	4.297	142	68660	17.012	ug/l	98
11) Tert butyl alcohol	5.197	59	31026	136.610	ug/l #	83
12) 1,1-Dichloroethene	4.073	96	78372	19.084	ug/l	95
13) Acrolein	3.920	56	25330	89.463	ug/l	92
14) Allyl chloride	4.714	41	96183	19.913	ug/l	97
15) Acrylonitrile	5.426	53	75118	102.005	ug/l	99
16) Acetone	4.156	43	71280	98.577	ug/l	99
17) Carbon Disulfide	4.409	76	243192	18.307	ug/l	98
18) Methyl Acetate	4.714	43	44655	23.964	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	145004	19.366	ug/l #	87
20) Methylene Chloride	4.967	84	121291	18.674	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	92887	19.318	ug/l	96
22) Diisopropyl ether	6.361	45	201897	21.023	ug/l	92
23) Vinyl Acetate	6.309	43	501222	93.032	ug/l	99
24) 1,1-Dichloroethane	6.261	63	163269	20.422	ug/l	100
25) 2-Butanone	7.208	43	90001	99.818	ug/l	97
26) 2,2-Dichloropropane	7.203	77	147318	20.914	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	101057	19.417	ug/l	97
28) Bromochloromethane	7.550	49	57887	19.765	ug/l	96
29) Tetrahydrofuran	7.561	42	51572	101.637	ug/l	98
30) Chloroform	7.708	83	180454	20.258	ug/l	97
31) Cyclohexane	7.979	56	116533	19.631	ug/l #	91
32) 1,1,1-Trichloroethane	7.903	97	160360	20.492	ug/l	99
36) 1,1-Dichloropropene	8.108	75	128691	19.477	ug/l	99
37) Ethyl Acetate	7.285	43	42339	19.153	ug/l	96
38) Carbon Tetrachloride	8.091	117	140481	19.627	ug/l	92
39) Methylcyclohexane	9.350	83	121899	18.342	ug/l	94
40) Benzene	8.344	78	381170	19.821	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	24403	22.190	ug/l #	76
42) 1,2-Dichloroethane	8.426	62	100792	19.101	ug/l	98
43) Isopropyl Acetate	8.450	43	79831	19.099	ug/l	100
44) Trichloroethene	9.108	130	104163	19.422	ug/l	97
45) 1,2-Dichloropropane	9.385	63	93857	19.993	ug/l	97
46) Dibromomethane	9.473	93	51385	19.104	ug/l	92
47) Bromodichloromethane	9.655	83	136473	19.679	ug/l	95
48) Methyl methacrylate	9.455	41	35320	18.581	ug/l	88
49) 1,4-Dioxane	9.455	88	10056	383.903	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	210355	98.639	ug/l	99
52) Toluene	10.402	92	247478	20.267	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	119228	20.072	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	142128	19.904	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	73538	19.779	ug/l	97
56) Ethyl methacrylate	10.655	69	74201	19.313	ug/l	95
57) 1,3-Dichloropropane	10.944	76	119492	19.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	189790	96.487	ug/l	99
59) 2-Hexanone	10.979	43	144774	101.702	ug/l	96
60) Dibromochloromethane	11.138	129	94177	19.875	ug/l	99
61) 1,2-Dibromoethane	11.244	107	69982	19.594	ug/l	98
64) Tetrachloroethene	10.873	164	93649	19.867	ug/l	97
65) Chlorobenzene	11.667	112	269706	20.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	98661	19.174	ug/l	96
67) Ethyl Benzene	11.738	91	437137	19.444	ug/l	99
68) m/p-Xylenes	11.849	106	359260	40.229	ug/l	98
69) o-Xylene	12.179	106	155309	19.654	ug/l	100
70) Styrene	12.191	104	281913	20.276	ug/l	99
71) Bromoform	12.355	173	53018	19.903	ug/l #	99
73) Isopropylbenzene	12.473	105	421159	19.460	ug/l	99
74) N-amyl acetate	12.279	43	73364	18.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	77356	18.617	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	58470m	18.735	ug/l	
77) Bromobenzene	12.755	156	105140	19.376	ug/l	99
78) n-propylbenzene	12.814	91	535703	20.171	ug/l	99
79) 2-Chlorotoluene	12.902	91	304043	20.139	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	369749	20.266	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	24643	21.065	ug/l	98
82) 4-Chlorotoluene	12.996	91	328422	20.441	ug/l	100
83) tert-Butylbenzene	13.214	119	306381	19.726	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	372660	20.431	ug/l	100
85) sec-Butylbenzene	13.396	105	452805	19.831	ug/l	100
86) p-Isopropyltoluene	13.508	119	398604	20.095	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	211730	19.484	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	212601	19.641	ug/l	99
89) n-Butylbenzene	13.838	91	364585	19.757	ug/l	99
90) Hexachloroethane	14.102	117	74528	19.302	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	186087	19.628	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	11784	18.832	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	94073	17.053	ug/l	99
94) Hexachlorobutadiene	15.255	225	68340	19.811	ug/l	99
95) Naphthalene	15.390	128	163345	17.794	ug/l	98
96) 1,2,3-Trichlorobenzene	15.585	180	90724	18.942	ug/l	97

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

