

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069213.D
 Acq On : 20 May 2021 12:34
 Operator : VA/SY
 Sample : VD0520SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0520SBS01

Manual Integrations
 APPROVED

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 5/21/2021 1:48:02 PM

Quant Time: May 21 00:52:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	272147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	454943	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	429597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	225514	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	140732	51.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.16%			
35) Dibromofluoromethane	7.914	113	147785	49.92	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.84%			
50) Toluene-d8	10.338	98	542474	49.87	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.74%			
62) 4-Bromofluorobenzene	12.626	95	174994	49.99	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.98%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	63670	22.00	ug/l	100
3) Chloromethane	2.209	50	74578	22.43	ug/l	98
4) Vinyl Chloride	2.350	62	96960	22.12	ug/l	99
5) Bromomethane	2.756	94	73232	22.21	ug/l	96
6) Chloroethane	2.915	64	66421	23.56	ug/l	96
7) Trichlorofluoromethane	3.268	101	116589	21.80	ug/l	96
8) Diethyl Ether	3.709	74	28223	23.12	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.097	101	68715	22.67	ug/l	96
10) Methyl Iodide	4.297	142	54754	17.96	ug/l	97
11) Tert butyl alcohol	5.214	59	21606	134.72	ug/l #	91
12) 1,1-Dichloroethene	4.067	96	59878	21.99	ug/l	95
13) Acrolein	3.920	56	17919	80.72	ug/l	98
14) Allyl chloride	4.709	41	64455	21.58	ug/l	99
15) Acrylonitrile	5.420	53	53284	116.95	ug/l	97
16) Acetone	4.162	43	46760	111.91	ug/l	96
17) Carbon Disulfide	4.403	76	194561	21.56	ug/l	98
18) Methyl Acetate	4.714	43	25373	24.99	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	110215	22.31	ug/l	94
20) Methylene Chloride	4.967	84	88892	20.85	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	70345	21.79	ug/l	96
22) Diisopropyl ether	6.356	45	136720	22.92	ug/l	95
23) Vinyl Acetate	6.309	43	383381	108.90	ug/l	98
24) 1,1-Dichloroethane	6.261	63	115946	22.50	ug/l	97
25) 2-Butanone	7.214	43	66007	116.57	ug/l	90
26) 2,2-Dichloropropane	7.208	77	106233	22.04	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	74367	21.22	ug/l	98
28) Bromochloromethane	7.544	49	38958	21.21	ug/l	96
29) Tetrahydrofuran	7.561	42	35290	114.65	ug/l	98
30) Chloroform	7.708	83	128502	22.15	ug/l	98
31) Cyclohexane	7.985	56	84594	20.92	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	114836	21.81	ug/l	99
36) 1,1-Dichloropropene	8.108	75	96099	21.73	ug/l	100
37) Ethyl Acetate	7.291	43	29913	21.05	ug/l	99
38) Carbon Tetrachloride	8.091	117	102367	20.70	ug/l	93
39) Methylcyclohexane	9.355	83	93197	19.98	ug/l	96
40) Benzene	8.350	78	274259	21.65	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	15554	20.56	ug/l #	94
42) 1,2-Dichloroethane	8.426	62	77283	22.34	ug/l	98
43) Isopropyl Acetate	8.455	43	56537	21.91	ug/l	96
44) Trichloroethene	9.114	130	74586	21.06	ug/l	89
45) 1,2-Dichloropropane	9.391	63	66604	22.27	ug/l	100
46) Dibromomethane	9.473	93	39932	22.34	ug/l	97
47) Bromodichloromethane	9.661	83	100004	21.98	ug/l	90
48) Methyl methacrylate	9.455	41	28344	23.75	ug/l	92
49) 1,4-Dioxane	9.461	88	8202	461.38	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	150273	113.18	ug/l	98
52) Toluene	10.402	92	177345	21.69	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	86746	21.70	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	101389	21.22	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	53667	22.27	ug/l	96
56) Ethyl methacrylate	10.661	69	51575	20.42	ug/l	96
57) 1,3-Dichloropropane	10.944	76	88265	22.67	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	131258	110.04	ug/l	100
59) 2-Hexanone	10.985	43	101264	114.30	ug/l	98
60) Dibromochloromethane	11.138	129	67612	21.85	ug/l	99
61) 1,2-Dibromoethane	11.244	107	50496	21.21	ug/l	98
64) Tetrachloroethene	10.873	164	63366	21.22	ug/l	96
65) Chlorobenzene	11.667	112	188273	21.15	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	71787	21.38	ug/l	98
67) Ethyl Benzene	11.744	91	321297	20.97	ug/l	96
68) m/p-Xylenes	11.849	106	262366	43.69	ug/l	99
69) o-Xylene	12.179	106	112918	21.15	ug/l	99
70) Styrene	12.191	104	204729	21.96	ug/l	98
71) Bromoform	12.355	173	37849	21.67	ug/l #	97
73) Isopropylbenzene	12.473	105	306985	19.48	ug/l	99
74) N-amyl acetate	12.285	43	51943	20.15	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	60344	21.13	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	35884m	21.17	ug/l	
77) Bromobenzene	12.755	156	76044	20.33	ug/l	95
78) n-propylbenzene	12.814	91	383842	20.18	ug/l	99
79) 2-Chlorotoluene	12.902	91	215908	20.41	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	266145	20.48	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	16394	19.53	ug/l	99
82) 4-Chlorotoluene	13.002	91	232649	20.64	ug/l	100
83) tert-Butylbenzene	13.220	119	225201	20.80	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	281765	21.55	ug/l	100
85) sec-Butylbenzene	13.396	105	340219	20.89	ug/l	99
86) p-Isopropyltoluene	13.508	119	296031	20.69	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	163544	21.60	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	159249	21.24	ug/l	97
89) n-Butylbenzene	13.838	91	272812	20.46	ug/l	100
90) Hexachloroethane	14.102	117	54534	20.34	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	137978	21.22	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8946	20.18	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	82212	20.64	ug/l	100
94) Hexachlorobutadiene	15.261	225	47977	20.07	ug/l	97
95) Naphthalene	15.390	128	133119	19.34	ug/l	98
96) 1,2,3-Trichlorobenzene	15.585	180	70922	20.81	ug/l	99

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

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