

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051921\
 Data File : VD069191.D
 Acq On : 19 May 2021 12:39
 Operator : VA/SY
 Sample : VD0519SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0519SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2021 5:59:39 PM

Quant Time: May 20 00:59:53 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	286077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	483432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	448352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	218947	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	145612	50.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.54%		
35) Dibromofluoromethane	7.914	113	153544	48.81	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.62%		
50) Toluene-d8	10.338	98	571999	49.48	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.96%		
62) 4-Bromofluorobenzene	12.626	95	187585	50.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.86%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	66619	21.90	ug/l	100
3) Chloromethane	2.209	50	79248	22.67	ug/l	94
4) Vinyl Chloride	2.350	62	101463	22.02	ug/l	99
5) Bromomethane	2.756	94	70720	20.40	ug/l	97
6) Chloroethane	2.914	64	65594	22.13	ug/l	94
7) Trichlorofluoromethane	3.267	101	118431	21.07	ug/l	90
8) Diethyl Ether	3.703	74	25848	20.14	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	68522	21.51	ug/l	97
10) Methyl Iodide	4.297	142	56355	17.61	ug/l	99
11) Tert butyl alcohol	5.226	59	29472	188.31	ug/l #	81
12) 1,1-Dichloroethene	4.067	96	61146	21.36	ug/l	91
13) Acrolein	3.920	56	20793	89.11	ug/l	99
14) Allyl chloride	4.720	41	66238	21.10	ug/l	95
15) Acrylonitrile	5.426	53	53215	111.11	ug/l	99
16) Acetone	4.156	43	47995	109.27	ug/l	94
17) Carbon Disulfide	4.409	76	197093	20.77	ug/l	99
18) Methyl Acetate	4.720	43	24585	23.04	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	108629	20.91	ug/l	96
20) Methylene Chloride	4.967	84	86070	18.33	ug/l	96
21) trans-1,2-Dichloroethene	5.467	96	71419	21.05	ug/l	97
22) Diisopropyl ether	6.367	45	137440	21.92	ug/l	95
23) Vinyl Acetate	6.303	43	394683	106.65	ug/l	99
24) 1,1-Dichloroethane	6.267	63	116476	21.50	ug/l	99
25) 2-Butanone	7.220	43	63121	106.05	ug/l	91
26) 2,2-Dichloropropane	7.208	77	104444	20.62	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	76242	20.69	ug/l	98
28) Bromochloromethane	7.550	49	41287	21.38	ug/l	99
29) Tetrahydrofuran	7.561	42	35907	110.98	ug/l	97
30) Chloroform	7.708	83	130075	21.33	ug/l	99
31) Cyclohexane	7.985	56	86307	20.31	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	115533	20.88	ug/l	98
36) 1,1-Dichloropropene	8.114	75	96158	20.46	ug/l	98
37) Ethyl Acetate	7.297	43	32071	21.24	ug/l	98
38) Carbon Tetrachloride	8.091	117	106969	20.36	ug/l	92
39) Methylcyclohexane	9.355	83	93125	18.78	ug/l	98
40) Benzene	8.350	78	273564	20.32	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	16781m	20.88	ug/l	
42) 1,2-Dichloroethane	8.420	62	76096	20.70	ug/l	100
43) Isopropyl Acetate	8.450	43	60332	22.00	ug/l	98
44) Trichloroethene	9.108	130	76763	20.40	ug/l	99
45) 1,2-Dichloropropane	9.385	63	67749	21.32	ug/l	99
46) Dibromomethane	9.479	93	38116	20.07	ug/l	99
47) Bromodichloromethane	9.661	83	99921	20.67	ug/l	98
48) Methyl methacrylate	9.455	41	25535	20.14	ug/l	97
49) 1,4-Dioxane	9.461	88	7607	400.59	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	153510	108.81	ug/l	97
52) Toluene	10.402	92	179917	20.71	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	84864	19.98	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	101718	20.03	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	53329	20.83	ug/l	97
56) Ethyl methacrylate	10.661	69	51895	19.41	ug/l	95
57) 1,3-Dichloropropane	10.943	76	87685	21.19	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	139386	109.97	ug/l	100
59) 2-Hexanone	10.985	43	101207	107.50	ug/l	96
60) Dibromochloromethane	11.138	129	65882	20.04	ug/l	98
61) 1,2-Dibromoethane	11.243	107	50861	20.10	ug/l	99
64) Tetrachloroethene	10.873	164	62203	19.96	ug/l	96
65) Chlorobenzene	11.667	112	192395	20.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	70029	19.98	ug/l	98
67) Ethyl Benzene	11.743	91	321154	20.08	ug/l	96
68) m/p-Xylenes	11.849	106	260212	41.52	ug/l	100
69) o-Xylene	12.179	106	113408	20.35	ug/l	99
70) Styrene	12.190	104	200550	20.61	ug/l	98
71) Bromoform	12.355	173	36894	20.24	ug/l #	96
73) Isopropylbenzene	12.479	105	308939	20.19	ug/l	100
74) N-amyl acetate	12.285	43	53151	21.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	58437	21.07	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	36510m	22.18	ug/l	
77) Bromobenzene	12.761	156	75014	20.66	ug/l	96
78) n-propylbenzene	12.814	91	386853	20.95	ug/l	100
79) 2-Chlorotoluene	12.902	91	218044	21.23	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	264350	20.95	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	17804m	21.85	ug/l	
82) 4-Chlorotoluene	13.002	91	223983	20.47	ug/l	99
83) tert-Butylbenzene	13.220	119	212158	20.18	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	262704	20.70	ug/l	100
85) sec-Butylbenzene	13.396	105	327519	20.72	ug/l	99
86) p-Isopropyltoluene	13.514	119	279243	20.10	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	150092	20.42	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	155165	21.32	ug/l	98
89) n-Butylbenzene	13.837	91	259285	20.03	ug/l	99
90) Hexachloroethane	14.102	117	53816	20.67	ug/l	97
91) 1,2-Dichlorobenzene	13.885	146	131851	20.89	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8289	19.26	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	75511	19.52	ug/l	98
94) Hexachlorobutadiene	15.255	225	44569	19.20	ug/l	98
95) Naphthalene	15.390	128	129596	19.39	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	69032	20.86	ug/l	92

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

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