

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030121\
 Data File : VD068474.D
 Acq On : 01 Mar 2021 12:01
 Operator : VA/SY
 Sample : VD0301SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0301SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2021 3:27:20 PM

Quant Time: Mar 01 20:45:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	347108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	591783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	532962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	256108	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166726	48.07	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.14%		
35) Dibromofluoromethane	7.920	113	175963	49.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.72%		
50) Toluene-d8	10.344	98	685810	48.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.60%		
62) 4-Bromofluorobenzene	12.632	95	220760	48.24	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.48%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	68689	20.39	ug/l	97
3) Chloromethane	2.209	50	81848	19.23	ug/l	94
4) Vinyl Chloride	2.350	62	97755	19.34	ug/l	99
5) Bromomethane	2.756	94	71172	19.77	ug/l	90
6) Chloroethane	2.915	64	63193	19.33	ug/l	98
7) Trichlorofluoromethane	3.273	101	117677	20.41	ug/l	97
8) Diethyl Ether	3.709	74	34289	19.97	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	70140	19.96	ug/l	96
10) Methyl Iodide	4.303	142	68873	18.15	ug/l	95
11) Tert butyl alcohol	5.214	59	20732m	111.96	ug/l	
12) 1,1-Dichloroethene	4.067	96	70435	20.21	ug/l	96
13) Acrolein	3.926	56	25581	96.66	ug/l	100
14) Allyl chloride	4.720	41	87386	19.42	ug/l	98
15) Acrylonitrile	5.426	53	71997	99.36	ug/l	99
16) Acetone	4.162	43	56597	102.74	ug/l	94
17) Carbon Disulfide	4.409	76	222590	19.49	ug/l	98
18) Methyl Acetate	4.726	43	27362	19.27	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	146645	19.40	ug/l	100
20) Methylene Chloride	4.973	84	87809	18.71	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	81562	19.60	ug/l	98
22) Diisopropyl ether	6.367	45	194826	19.66	ug/l #	95
23) Vinyl Acetate	6.309	43	486948	94.69	ug/l	99
24) 1,1-Dichloroethane	6.267	63	133233	19.61	ug/l	98
25) 2-Butanone	7.214	43	77467	97.83	ug/l	99
26) 2,2-Dichloropropane	7.214	77	114620	20.25	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	89808	19.65	ug/l	96
28) Bromochloromethane	7.544	49	48259	18.20	ug/l	86
29) Tetrahydrofuran	7.561	42	50718	98.64	ug/l	97
30) Chloroform	7.714	83	143705	20.03	ug/l	98
31) Cyclohexane	7.985	56	122185	19.37	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	125880	20.56	ug/l	96
36) 1,1-Dichloropropene	8.114	75	111685	19.85	ug/l	97
37) Ethyl Acetate	7.297	43	35537	19.04	ug/l #	77
38) Carbon Tetrachloride	8.097	117	106900	20.22	ug/l	98
39) Methylcyclohexane	9.355	83	140541	20.26	ug/l	97
40) Benzene	8.350	78	324151	20.09	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	19244m	17.76	ug/l	
42) 1,2-Dichloroethane	8.426	62	85363	20.12	ug/l	99
43) Isopropyl Acetate	8.455	43	68997	20.11	ug/l	98
44) Trichloroethene	9.114	130	89667	20.24	ug/l	94
45) 1,2-Dichloropropane	9.391	63	76827	19.92	ug/l	94
46) Dibromomethane	9.479	93	41955	19.99	ug/l	92
47) Bromodichloromethane	9.667	83	110519	20.36	ug/l	95
48) Methyl methacrylate	9.455	41	32094	17.55	ug/l	87
49) 1,4-Dioxane	9.467	88	10277	429.43	ug/l	93
51) 4-Methyl-2-Pentanone	10.232	43	177064	98.64	ug/l	100
52) Toluene	10.402	92	208429	20.23	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	101605	20.25	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	122979	20.09	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	57764	19.89	ug/l #	86
56) Ethyl methacrylate	10.661	69	65557	19.64	ug/l	96
57) 1,3-Dichloropropane	10.949	76	102293	20.18	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	158541	94.67	ug/l	93
59) 2-Hexanone	10.985	43	123709	103.40	ug/l	99
60) Dibromochloromethane	11.144	129	73083	20.33	ug/l	100
61) 1,2-Dibromoethane	11.249	107	57159	20.11	ug/l	97
64) Tetrachloroethene	10.879	164	76868	22.09	ug/l	96
65) Chlorobenzene	11.673	112	223246	20.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	78700	20.86	ug/l	98
67) Ethyl Benzene	11.743	91	395914	20.44	ug/l	98
68) m/p-Xylenes	11.855	106	306724	41.69	ug/l	97
69) o-Xylene	12.179	106	141736	20.92	ug/l	92
70) Styrene	12.196	104	239487	20.67	ug/l	99
71) Bromoform	12.361	173	40554	21.16	ug/l #	97
73) Isopropylbenzene	12.479	105	379593	19.98	ug/l	100
74) N-amyl acetate	12.285	43	64040	19.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	64969	19.88	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	39144m	17.22	ug/l	
77) Bromobenzene	12.761	156	87878	20.27	ug/l	93
78) n-propylbenzene	12.820	91	456643	20.12	ug/l	98
79) 2-Chlorotoluene	12.908	91	246770	19.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	313388	20.13	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.532	75	20344	20.88	ug/l	93
82) 4-Chlorotoluene	13.002	91	267489	20.18	ug/l	98
83) tert-Butylbenzene	13.220	119	267804	20.20	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	311282	19.96	ug/l	99
85) sec-Butylbenzene	13.402	105	378694	20.22	ug/l	99
86) p-Isopropyltoluene	13.514	119	346200	20.37	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	167207	19.97	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	167825	20.23	ug/l	99
89) n-Butylbenzene	13.843	91	334380	20.40	ug/l	98
90) Hexachloroethane	14.114	117	72251	21.39	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	155001	21.59	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11953	20.75	ug/l	87
93) 1,2,4-Trichlorobenzene	15.161	180	117231	21.14	ug/l	100
94) Hexachlorobutadiene	15.267	225	65980	21.43	ug/l	98
95) Naphthalene	15.402	128	202224	20.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	101374	21.11	ug/l	95

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

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