

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031121\
 Data File : VD068584.D
 Acq On : 11 Mar 2021 14:45
 Operator : VA/SY
 Sample : MDL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 3/12/2021 2:01:28 PM

Quant Time: Mar 12 00:51:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 00:51:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	243456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	427736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	397286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	180005	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127111	52.26	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.52%
35) Dibromofluoromethane	7.914	113	137965	53.54	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.08%
50) Toluene-d8	10.344	98	522340	50.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.78%
62) 4-Bromofluorobenzene	12.632	95	167294	50.58	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.16%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.991	85	6066	2.57	ug/l	93
3) Chloromethane	2.209	50	7640	2.56	ug/l #	87
4) Vinyl Chloride	2.356	62	9468	2.67	ug/l	90
5) Bromomethane	2.773	94	7943	3.15	ug/l	100
6) Chloroethane	2.932	64	6256	2.73	ug/l #	79
7) Trichlorofluoromethane	3.273	101	10911	2.70	ug/l	90
8) Diethyl Ether	3.709	74	3040	2.52	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	6815	2.77	ug/l	95
10) Methyl Iodide	4.314	142	5803	2.22	ug/l	91
11) Tert butyl alcohol	5.191	59	4237m	32.62	ug/l	
12) 1,1-Dichloroethene	4.062	96	6553	2.68	ug/l #	70
13) Acrolein	3.944	56	1972	10.62	ug/l #	14
14) Allyl chloride	4.726	41	8319	2.64	ug/l #	68
15) Acrylonitrile	5.414	53	7922	15.59	ug/l #	17
16) Acetone	4.167	43	5701m	14.76	ug/l	
17) Carbon Disulfide	4.409	76	21029	2.63	ug/l #	89
18) Methyl Acetate	4.720	43	2758	2.77	ug/l	97
19) Methyl tert-butyl Ether	5.467	73	14998	2.83	ug/l #	90
20) Methylene Chloride	4.967	84	21541	6.57	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	9468	3.24	ug/l #	78
22) Diisopropyl ether	6.367	45	16466	2.37	ug/l #	89
23) Vinyl Acetate	6.314	43	36889m	10.23	ug/l	
24) 1,1-Dichloroethane	6.261	63	12736	2.67	ug/l #	93
25) 2-Butanone	7.214	43	8054	14.50	ug/l	99
26) 2,2-Dichloropropane	7.214	77	11474	2.89	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	8643	2.70	ug/l	88
28) Bromochloromethane	7.544	49	6277	3.37	ug/l #	71
29) Tetrahydrofuran	7.561	42	4210	11.67	ug/l #	64
30) Chloroform	7.714	83	15049	2.99	ug/l	86
31) Cyclohexane	7.979	56	15155	3.43	ug/l #	74
32) 1,1,1-Trichloroethane	7.908	97	11560	2.69	ug/l	95
36) 1,1-Dichloropropene	8.120	75	11072	2.72	ug/l	96
37) Ethyl Acetate	7.297	43	3509	2.60	ug/l #	73
38) Carbon Tetrachloride	8.091	117	9708	2.54	ug/l #	78
39) Methylcyclohexane	9.361	83	12349	2.46	ug/l #	87
40) Benzene	8.350	78	30689	2.63	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.544	41	2379	3.04	ug/l #	19
42) 1,2-Dichloroethane	8.426	62	8786	2.86	ug/l	95
43) Isopropyl Acetate	8.450	43	6467	2.61	ug/l #	91
44) Trichloroethene	9.120	130	8514	2.66	ug/l	97
45) 1,2-Dichloropropane	9.391	63	7051	2.53	ug/l	96
46) Dibromomethane	9.479	93	4144	2.73	ug/l	89
47) Bromodichloromethane	9.661	83	10953	2.79	ug/l	95
48) Methyl methacrylate	9.461	41	3550	2.69	ug/l	94
49) 1,4-Dioxane	9.461	88	558	32.26	ug/l #	52
51) 4-Methyl-2-Pentanone	10.226	43	15009	11.57	ug/l	92
52) Toluene	10.408	92	19553	2.63	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	9125	2.52	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	11101	2.51	ug/l	94
55) 1,1,2-Trichloroethane	10.802	97	5616	2.68	ug/l #	68
56) Ethyl methacrylate	10.661	69	5094	2.11	ug/l #	72
57) 1,3-Dichloropropane	10.949	76	9503	2.59	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	16216	13.40	ug/l	92
59) 2-Hexanone	10.991	43	9401	10.87	ug/l	99
60) Dibromochloromethane	11.138	129	6647	2.56	ug/l	98
61) 1,2-Dibromoethane	11.249	107	5016	2.44	ug/l	87
64) Tetrachloroethene	10.873	164	7326	2.82	ug/l	98
65) Chlorobenzene	11.667	112	20839	2.58	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.743	131	7630	2.71	ug/l	95
67) Ethyl Benzene	11.743	91	36089	2.50	ug/l	99
68) m/p-Xylenes	11.849	106	25422	4.63	ug/l	96
69) o-Xylene	12.179	106	11671	2.31	ug/l	94
70) Styrene	12.196	104	19468	2.25	ug/l	98
71) Bromoform	12.355	173	3435	2.40	ug/l #	98
73) Isopropylbenzene	12.479	105	32045	2.40	ug/l	96
74) N-amyl acetate	12.285	43	4967	2.18	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	6509	2.83	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	3339m	2.09	ug/l	
77) Bromobenzene	12.761	156	8195	2.69	ug/l	94
78) n-propylbenzene	12.820	91	39665	2.49	ug/l	94
79) 2-Chlorotoluene	12.908	91	21551	2.43	ug/l	93
80) 1,3,5-Trimethylbenzene	12.955	105	24528	2.24	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	1602m	2.34	ug/l	
82) 4-Chlorotoluene	13.008	91	22066	2.37	ug/l	99
83) tert-Butylbenzene	13.220	119	21014	2.26	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	24036	2.19	ug/l	94
85) sec-Butylbenzene	13.402	105	31051	2.36	ug/l	99
86) p-Isopropyltoluene	13.514	119	24744	2.07	ug/l	94
87) 1,3-Dichlorobenzene	13.514	146	15983	2.72	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	15738	2.70	ug/l	88
89) n-Butylbenzene	13.838	91	26289	2.28	ug/l	99
90) Hexachloroethane	14.102	117	6068	2.56	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	12682	2.51	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1069	2.64	ug/l	72
93) 1,2,4-Trichlorobenzene	15.155	180	9856	2.53	ug/l	91
94) Hexachlorobutadiene	15.267	225	5623	2.60	ug/l	96
95) Naphthalene	15.396	128	16500	2.34	ug/l	97
96) 1,2,3-Trichlorobenzene	15.590	180	8104	2.40	ug/l	94

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

