

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042921\
 Data File : VD069025.D
 Acq On : 29 Apr 2021 18:27
 Operator : VA/SY
 Sample : M2217-10MSD
 Misc : 4.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HTRCV2-COMP-TS01-01MSD

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 11:02:46 AM

Quant Time: Apr 30 02:57:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	41949	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	71999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	65249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	25413	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	39034	88.05	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 176.10%#			
35) Dibromofluoromethane	7.920	113	33928	72.45	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 144.90%			
50) Toluene-d8	10.338	98	94773	53.65	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.30%			
62) 4-Bromofluorobenzene	12.632	95	27621	47.08	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.16%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	18086	43.51	ug/l	98
3) Chloromethane	2.209	50	24306	49.74	ug/l	98
4) Vinyl Chloride	2.350	62	31160	50.76	ug/l	97
5) Bromomethane	2.762	94	29493	64.27	ug/l	98
6) Chloroethane	2.920	64	25624	63.52	ug/l	91
7) Trichlorofluoromethane	3.267	101	37565	52.00	ug/l	84
8) Diethyl Ether	3.709	74	19641	100.68	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.091	101	18454	42.33	ug/l	95
10) Methyl Iodide	4.297	142	20654	40.91	ug/l	98
11) Tert butyl alcohol	5.214	59	27747	1305.02	ug/l	99
12) 1,1-Dichloroethene	4.062	96	19904	47.40	ug/l	94
13) Acrolein	3.932	56	2422m	138.80	ug/l	
14) Allyl chloride	4.709	41	23238	49.10	ug/l	94
15) Acrylonitrile	5.414	53	81642	932.51	ug/l	95
16) Acetone	4.162	43	60906	992.07	ug/l	93
17) Carbon Disulfide	4.409	76	52456	38.60	ug/l	97
18) Methyl Acetate	4.720	43	111687	662.21	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	100954	108.36	ug/l	97
20) Methylene Chloride	4.961	84	44845	94.46	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	28947	53.69	ug/l	89
22) Diisopropyl ether	6.361	45	67176	58.59	ug/l	95
23) Vinyl Acetate	6.361	43	48157m	79.25	ug/l	
24) 1,1-Dichloroethane	6.267	63	49252	56.97	ug/l	91
25) 2-Butanone	7.208	43	83470	960.81	ug/l	100
26) 2,2-Dichloropropane	7.203	77	38402	54.38	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	36358	67.85	ug/l	94
28) Bromochloromethane	7.550	49	23947	76.74	ug/l	90
29) Tetrahydrofuran	7.567	42	57877	990.62	ug/l	90
30) Chloroform	7.714	83	61871	65.39	ug/l	95
31) Cyclohexane	7.991	56	20788	28.18	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	42543	51.45	ug/l	97
36) 1,1-Dichloropropene	8.114	75	31389	43.07	ug/l	97
37) Ethyl Acetate	7.291	43	19025	88.87	ug/l	95
38) Carbon Tetrachloride	8.091	117	34146	47.32	ug/l	98
39) Methylcyclohexane	9.349	83	16475	19.38	ug/l	92
40) Benzene	8.350	78	115938	54.37	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	14168	111.80	ug/l #	49
42) 1,2-Dichloroethane	8.426	62	49570	87.93	ug/l	99
43) Isopropyl Acetate	8.455	43	37055	84.92	ug/l	95
44) Trichloroethene	9.114	130	29715	50.45	ug/l	98
45) 1,2-Dichloropropane	9.385	63	30220	59.33	ug/l	94
46) Dibromomethane	9.473	93	28894	101.83	ug/l	89
47) Bromodichloromethane	9.661	83	53690	72.43	ug/l	98
48) Methyl methacrylate	9.455	41	33242	154.58	ug/l	84
49) 1,4-Dioxane	9.461	88	14455	4811.60	ug/l #	91
51) 4-Methyl-2-Pentanone	10.232	43	190621	866.67	ug/l	100
52) Toluene	10.402	92	69603	51.55	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	53869	81.99	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	55508	70.63	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	42047	104.80	ug/l	96
56) Ethyl methacrylate	10.661	69	24788	60.02	ug/l	97
57) 1,3-Dichloropropane	10.944	76	63664	96.36	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	130992	572.25	ug/l	96
59) 2-Hexanone	10.985	43	129714	881.39	ug/l	98
60) Dibromochloromethane	11.138	129	46043	91.52	ug/l	96
61) 1,2-Dibromoethane	11.243	107	44684	114.59	ug/l	98
64) Tetrachloroethene	10.873	164	20747	45.36	ug/l	94
65) Chlorobenzene	11.667	112	74994	53.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	34790	68.51	ug/l	99
67) Ethyl Benzene	11.743	91	100372	41.04	ug/l	100
68) m/p-Xylenes	11.849	106	77494	82.11	ug/l	99
69) o-Xylene	12.185	106	39894	46.49	ug/l	95
70) Styrene	12.196	104	67929	45.42	ug/l	97
71) Bromoform	12.361	173	32075	117.90	ug/l #	96
73) Isopropylbenzene	12.479	105	80251	43.25	ug/l	98
74) N-amyl acetate	12.285	43	6470	20.56	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	54681	157.66	ug/l	100
76) 1,2,3-Trichloropropane	12.779	75	38221m	164.63	ug/l	
77) Bromobenzene	12.755	156	31576	70.79	ug/l	84
78) n-propylbenzene	12.820	91	84060	37.30	ug/l	98
79) 2-Chlorotoluene	12.902	91	58289	46.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	61583	39.70	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	16181	161.75	ug/l	96
82) 4-Chlorotoluene	13.002	91	60279	45.17	ug/l	95
83) tert-Butylbenzene	13.220	119	47521	36.10	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	65384	41.73	ug/l	97
85) sec-Butylbenzene	13.396	105	52439	28.23	ug/l	99
86) p-Isopropyltoluene	13.514	119	45855	27.03	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	39101	44.24	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	40828	46.68	ug/l	98
89) n-Butylbenzene	13.837	91	31758	19.87	ug/l	97
90) Hexachloroethane	14.108	117	12221	36.17	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	40016	52.32	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9394	178.18	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	13771	29.10	ug/l	96
94) Hexachlorobutadiene	15.261	225	3764	13.89	ug/l	89
95) Naphthalene	15.396	128	57410	69.65	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	13369	32.30	ug/l	99

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

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