

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069047.D
 Acq On : 03 May 2021 17:44
 Operator : VA/SY
 Sample : M2217-10MSD
 Misc : 4.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HTCVR2-COMP-TS01-01MSD

Manual Integrations
 APPROVED

MMDadoda
 5/4/2021 5:35:32 PM

Quant Time: May 04 04:14:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	181743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	315233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	248011	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	76138	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	128606	56.03	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.06%			
35) Dibromofluoromethane	7.914	113	114792	55.07	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.14%			
50) Toluene-d8	10.338	98	393335	50.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.88%			
62) 4-Bromofluorobenzene	12.626	95	93935	36.04	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.08%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	109308	50.36	ug/l	98
3) Chloromethane	2.209	50	151042	55.65	ug/l	100
4) Vinyl Chloride	2.344	62	190469	56.21	ug/l	94
5) Bromomethane	2.756	94	77619	40.71	ug/l	98
6) Chloroethane	2.909	64	99393	49.51	ug/l	92
7) Trichlorofluoromethane	3.262	101	192423	50.41	ug/l	99
8) Diethyl Ether	3.709	74	53355	56.16	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.085	101	89246	42.93	ug/l	96
10) Methyl Iodide	4.291	142	82780	42.80	ug/l	93
11) Tert butyl alcohol	5.232	59	37888	280.22	ug/l #	87
12) 1,1-Dichloroethene	4.061	96	97865	51.49	ug/l	89
13) Acrolein	3.914	56	2462	16.14	ug/l	96
14) Allyl chloride	4.714	41	141737	56.15	ug/l	93
15) Acrylonitrile	5.426	53	115807	273.30	ug/l	97
16) Acetone	4.161	43	93947	258.31	ug/l	98
17) Carbon Disulfide	4.403	76	309187	48.87	ug/l	99
18) Methyl Acetate	4.714	43	184329	192.74	ug/l	89
19) Methyl tert-butyl Ether	5.479	73	261358	59.18	ug/l	99
20) Methylene Chloride	4.961	84	130800	57.21	ug/l #	88
21) trans-1,2-Dichloroethene	5.467	96	119607	53.12	ug/l	91
22) Diisopropyl ether	6.361	45	290041	51.76	ug/l	96
24) 1,1-Dichloroethane	6.261	63	206971	53.61	ug/l	99
25) 2-Butanone	7.214	43	133235	260.03	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	179838	50.81	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	130855	54.09	ug/l	93
28) Bromochloromethane	7.544	49	89265	55.30	ug/l	85
29) Tetrahydrofuran	7.555	42	90726	278.18	ug/l	90
30) Chloroform	7.708	83	226861	53.70	ug/l	100
31) Cyclohexane	7.979	56	125654	37.20	ug/l	90
32) 1,1,1-Trichloroethane	7.902	97	190520	49.39	ug/l	96
36) 1,1-Dichloropropene	8.108	75	150527	48.01	ug/l	97
37) Ethyl Acetate	7.291	43	25185	20.67	ug/l #	75
38) Carbon Tetrachloride	8.091	117	160607	47.72	ug/l	97
39) Methylcyclohexane	9.349	83	91788	25.72	ug/l	93
40) Benzene	8.349	78	469851	52.46	ug/l	100
41) Methacrylonitrile	7.520	41	31222	44.52	ug/l #	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.426	62	152197	53.67	ug/l	94
43) Isopropyl Acetate	8.455	43	75697	32.10	ug/l #	55
44) Trichloroethene	9.108	130	111236	47.78	ug/l	99
45) 1,2-Dichloropropane	9.385	63	118478	53.75	ug/l	92
46) Dibromomethane	9.473	93	68637	53.48	ug/l	96
47) Bromodichloromethane	9.661	83	173314	50.98	ug/l	95
48) Methyl methacrylate	9.455	41	82755	70.22	ug/l	88
49) 1,4-Dioxane	9.461	88	17117	1127.39	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	323830	268.68	ug/l	92
52) Toluene	10.402	92	268790	47.35	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	149265	49.85	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	169461	49.29	ug/l #	85
55) 1,1,2-Trichloroethane	10.796	97	88801	52.33	ug/l	96
56) Ethyl methacrylate	10.661	69	46693	24.92	ug/l	92
57) 1,3-Dichloropropane	10.943	76	150114	51.27	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	281219	279.59	ug/l	96
59) 2-Hexanone	10.985	43	211495	258.72	ug/l	92
60) Dibromochloromethane	11.138	129	107574	49.02	ug/l	99
61) 1,2-Dibromoethane	11.243	107	81821	50.00	ug/l	96
64) Tetrachloroethene	10.873	164	72861	47.72	ug/l	92
65) Chlorobenzene	11.667	112	250856	50.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	106218	55.81	ug/l	98
67) Ethyl Benzene	11.743	91	430655	48.14	ug/l	99
68) m/p-Xylenes	11.849	106	324193	96.73	ug/l	97
69) o-Xylene	12.179	106	148633	48.94	ug/l	95
70) Styrene	12.190	104	252231	47.16	ug/l	97
71) Bromoform	12.355	173	54074	55.87	ug/l #	99
73) Isopropylbenzene	12.479	105	332511	63.07	ug/l	100
74) N-amyl acetate	12.285	43	6448	5.61	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	87007	85.52	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	68165m	93.78	ug/l	
77) Bromobenzene	12.755	156	82491	68.39	ug/l	87
78) n-propylbenzene	12.814	91	347261	53.88	ug/l	99
79) 2-Chlorotoluene	12.902	91	212744	59.13	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	254019	56.77	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.520	75	26394	85.97	ug/l	90
82) 4-Chlorotoluene	13.002	91	222394	57.26	ug/l	99
83) tert-Butylbenzene	13.220	119	198538	53.62	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	251232	55.31	ug/l	99
85) sec-Butylbenzene	13.396	105	218518	41.13	ug/l	99
86) p-Isopropyltoluene	13.508	119	186385	38.49	ug/l	96
87) 1,3-Dichlorobenzene	13.514	146	114432	46.69	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	118596	48.74	ug/l	98
89) n-Butylbenzene	13.837	91	134970	29.05	ug/l	97
90) Hexachloroethane	14.102	117	43876	44.61	ug/l	88
91) 1,2-Dichlorobenzene	13.884	146	100458	47.68	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	12493	72.57	ug/l	81
93) 1,2,4-Trichlorobenzene	15.155	180	28241	21.91	ug/l	99
94) Hexachlorobutadiene	15.261	225	11182	15.41	ug/l	91
95) Naphthalene	15.390	128	77372	31.89	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	22607	20.15	ug/l	97

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

