

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040921\
 Data File : VD068814.D
 Acq On : 09 Apr 2021 16:18
 Operator : VA/SY
 Sample : M1967-03MSD
 Misc : 4.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SED-1AMSD

Manual Integrations
 APPROVED

MMDadoda
 4/12/2021 2:54:51 PM

Quant Time: Apr 10 00:43:35 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	7.985	168	17668	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	32166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	29913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10603	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	15953	85.44	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 170.88%#			
35) Dibromofluoromethane	7.920	113	12525	59.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.74%			
50) Toluene-d8	10.338	98	37995	48.14	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.28%			
62) 4-Bromofluorobenzene	12.632	95	12245	46.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	8184	46.75	ug/l	93
3) Chloromethane	2.209	50	10276	49.93	ug/l	98
4) Vinyl Chloride	2.350	62	12378	47.87	ug/l #	86
5) Bromomethane	2.779	94	13742	71.10	ug/l	88
6) Chloroethane	2.926	64	9472	55.75	ug/l	95
7) Trichlorofluoromethane	3.279	101	15865	52.15	ug/l #	80
8) Diethyl Ether	3.709	74	7923	96.43	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.103	101	8035	43.76	ug/l	95
10) Methyl Iodide	4.303	142	9985	46.63	ug/l #	96
11) Tert butyl alcohol	5.220	59	10606	1181.23	ug/l #	89
12) 1,1-Dichloroethene	4.073	96	9723	54.98	ug/l	86
14) Allyl chloride	4.720	41	11104	55.71	ug/l	96
15) Acrylonitrile	5.426	53	34835	944.70	ug/l	98
16) Acetone	4.156	43	32435	1254.38	ug/l	100
17) Carbon Disulfide	4.415	76	22145	38.69	ug/l #	90
18) Methyl Acetate	4.726	43	39757	559.68	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	42728	108.89	ug/l #	87
20) Methylene Chloride	4.973	84	17230	85.70	ug/l	87
21) trans-1,2-Dichloroethene	5.479	96	13036	57.40	ug/l #	84
22) Diisopropyl ether	6.367	45	29135	60.33	ug/l #	97
23) Vinyl Acetate	6.373	43	22431m	87.65	ug/l	
24) 1,1-Dichloroethane	6.267	63	21711	59.63	ug/l	97
25) 2-Butanone	7.214	43	36394	994.65	ug/l	97
26) 2,2-Dichloropropane	7.208	77	15671	52.69	ug/l	96
27) cis-1,2-Dichloroethene	7.214	96	13929	61.71	ug/l	95
28) Bromochloromethane	7.550	49	11319	86.13	ug/l	99
29) Tetrahydrofuran	7.567	42	23056	936.96	ug/l	88
30) Chloroform	7.708	83	24576	61.67	ug/l	92
31) Cyclohexane	7.991	56	8171	26.30	ug/l #	89
32) 1,1,1-Trichloroethane	7.903	97	18400	52.84	ug/l	99
36) 1,1-Dichloropropene	8.114	75	13441	41.28	ug/l	98
37) Ethyl Acetate	7.297	43	10264	107.32	ug/l	95
38) Carbon Tetrachloride	8.103	117	11938	37.03	ug/l #	86
39) Methylcyclohexane	9.355	83	5452	14.36	ug/l	91
40) Benzene	8.350	78	49114	51.55	ug/l	91
41) Methacrylonitrile	7.544	41	11081m	195.72	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.432	62	21614	85.82	ug/l	84
43) Isopropyl Acetate	8.455	43	21127	108.37	ug/l #	97
44) Trichloroethene	9.114	130	13603	51.69	ug/l	88
45) 1,2-Dichloropropane	9.391	63	13087	57.51	ug/l #	88
46) Dibromomethane	9.473	93	12799	100.96	ug/l	91
47) Bromodichloromethane	9.667	83	20087	60.65	ug/l #	98
48) Methyl methacrylate	9.455	41	13471	140.22	ug/l	92
49) 1,4-Dioxane	9.461	88	5480	4083.02	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	76378	777.29	ug/l	95
52) Toluene	10.402	92	29593	49.05	ug/l	94
53) t-1,3-Dichloropropene	10.626	75	20647	70.34	ug/l #	86
54) cis-1,3-Dichloropropene	10.091	75	20948	59.66	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	17172	95.80	ug/l	96
56) Ethyl methacrylate	10.661	69	12841	69.59	ug/l	95
57) 1,3-Dichloropropane	10.944	76	26605	90.14	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.944	63	40140	397.84	ug/l	95
59) 2-Hexanone	10.985	43	54466	828.39	ug/l	91
60) Dibromochloromethane	11.144	129	16729	74.43	ug/l	99
61) 1,2-Dibromoethane	11.244	107	17847	102.45	ug/l	96
64) Tetrachloroethene	10.873	164	8562	40.83	ug/l	98
65) Chlorobenzene	11.667	112	30106	46.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	13491	57.95	ug/l	97
67) Ethyl Benzene	11.744	91	38843	34.64	ug/l	99
68) m/p-Xylenes	11.849	106	27897	64.48	ug/l	95
69) o-Xylene	12.179	106	14411	36.63	ug/l	99
70) Styrene	12.196	104	24823	36.20	ug/l	96
71) Bromoform	12.355	173	11508	92.27	ug/l #	96
73) Isopropylbenzene	12.473	105	26711	34.50	ug/l	99
74) N-amyl acetate	12.261	43	1346	10.25	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.732	83	22834	157.80	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	18728m	193.34	ug/l	
77) Bromobenzene	12.755	156	12718	68.33	ug/l	86
78) n-propylbenzene	12.820	91	28021	29.80	ug/l	99
79) 2-Chlorotoluene	12.902	91	20912	39.81	ug/l	91
80) 1,3,5-Trimethylbenzene	12.961	105	18398	28.42	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.526	75	5247	125.71	ug/l	93
82) 4-Chlorotoluene	13.002	91	22123	39.73	ug/l	95
83) tert-Butylbenzene	13.220	119	14426	26.27	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	19762	30.23	ug/l	95
85) sec-Butylbenzene	13.396	105	14211	18.34	ug/l	99
86) p-Isopropyltoluene	13.514	119	13033	18.41	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	15266	41.40	ug/l	96
88) 1,4-Dichlorobenzene	13.590	146	16218	44.44	ug/l	96
89) n-Butylbenzene	13.838	91	10603	15.90	ug/l	96
90) Hexachloroethane	14.114	117	3195	22.66	ug/l	83
91) 1,2-Dichlorobenzene	13.885	146	15175	47.56	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.496	75	3787	172.16	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	5961	30.19	ug/l	93
94) Hexachlorobutadiene	15.267	225	1587	14.04	ug/l	93
95) Naphthalene	15.396	128	23523	68.40	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	4787	27.72	ug/l	87

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

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