

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040721\
 Data File : VD068777.D
 Acq On : 07 Apr 2021 12:06
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/8/2021 3:08:17 PM

Quant Time: Apr 07 12:25:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 07 12:04:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	286143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	474788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	457105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	220333	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	293838	102.19	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	204.38%#
35) Dibromofluoromethane	7.920	113	309121	104.90	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	209.80%#
50) Toluene-d8	10.338	98	1226865	108.60	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	217.20%#
62) 4-Bromofluorobenzene	12.632	95	399866	108.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	216.76%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	265609	113.64	ug/l	99
3) Chloromethane	2.209	50	312620	109.68	ug/l	99
4) Vinyl Chloride	2.350	62	403586	118.49	ug/l	100
5) Bromomethane	2.750	94	289835	114.97	ug/l	98
6) Chloroethane	2.915	64	263425	117.93	ug/l	99
7) Trichlorofluoromethane	3.274	101	465088	115.34	ug/l	99
8) Diethyl Ether	3.709	74	137146	121.46	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	289635	117.90	ug/l	99
10) Methyl Iodide	4.303	142	371779	145.54	ug/l	99
11) Tert butyl alcohol	5.226	59	75437	541.73	ug/l	97
12) 1,1-Dichloroethene	4.073	96	285201	120.37	ug/l	96
13) Acrolein	3.926	56	51600	414.85	ug/l	95
14) Allyl chloride	4.715	41	331319	116.43	ug/l	98
15) Acrylonitrile	5.426	53	283565	529.86	ug/l	97
16) Acetone	4.156	43	195690	538.09	ug/l	99
17) Carbon Disulfide	4.409	76	923235	120.49	ug/l	100
18) Methyl Acetate	4.715	43	106390	107.55	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	635274	108.90	ug/l	98
20) Methylene Chloride	4.962	84	325738	82.88	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	351824	108.93	ug/l	94
22) Diisopropyl ether	6.367	45	774123	108.23	ug/l	98
23) Vinyl Acetate	6.309	43	2188157	573.29	ug/l	100
24) 1,1-Dichloroethane	6.267	63	558815	106.36	ug/l	99
25) 2-Butanone	7.215	43	277077	473.06	ug/l	94
26) 2,2-Dichloropropane	7.209	77	445881	97.53	ug/l	98
27) cis-1,2-Dichloroethene	7.215	96	348465	98.77	ug/l	100
28) Bromochloromethane	7.544	49	201818	99.18	ug/l	99
29) Tetrahydrofuran	7.562	42	196610	524.76	ug/l	99
30) Chloroform	7.714	83	602617	105.39	ug/l	100
31) Cyclohexane	7.985	56	477409	101.01	ug/l	96
32) 1,1,1-Trichloroethane	7.909	97	536309	105.52	ug/l	99
36) 1,1-Dichloropropene	8.114	75	476229	110.21	ug/l	100
37) Ethyl Acetate	7.291	43	131265	97.90	ug/l	97
38) Carbon Tetrachloride	8.097	117	468087	108.13	ug/l	95
39) Methylcyclohexane	9.356	83	597200	112.59	ug/l	98
40) Benzene	8.356	78	1372566	108.66	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	79317	104.88	ug/l #	88
42) 1,2-Dichloroethane	8.426	62	355279	107.06	ug/l	98
43) Isopropyl Acetate	8.456	43	293099	112.03	ug/l	98
44) Trichloroethene	9.114	130	374395	106.73	ug/l	94
45) 1,2-Dichloropropane	9.385	63	325281	107.61	ug/l	99
46) Dibromomethane	9.479	93	181102	105.49	ug/l	98
47) Bromodichloromethane	9.661	83	477477	108.33	ug/l	99
48) Methyl methacrylate	9.456	41	148409	111.65	ug/l	97
49) 1,4-Dioxane	9.461	88	41646	2182.96	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	743070	543.01	ug/l	99
52) Toluene	10.403	92	909992	113.47	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	430891	106.45	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	515731	107.21	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	250367	103.13	ug/l	97
56) Ethyl methacrylate	10.661	69	289958	111.48	ug/l	99
57) 1,3-Dichloropropane	10.944	76	428455	108.79	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	715069	542.42	ug/l	100
59) 2-Hexanone	10.985	43	502399	547.71	ug/l	99
60) Dibromochloromethane	11.138	129	324522	108.06	ug/l	99
61) 1,2-Dibromoethane	11.244	107	250639	107.34	ug/l	99
64) Tetrachloroethene	10.879	164	305200	102.14	ug/l	98
65) Chlorobenzene	11.667	112	973251	106.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	345592	105.04	ug/l	97
67) Ethyl Benzene	11.744	91	1781818	111.63	ug/l	99
68) m/p-Xylenes	11.850	106	1374069	221.27	ug/l	100
69) o-Xylene	12.179	106	637229	110.92	ug/l	98
70) Styrene	12.191	104	1104960	111.79	ug/l	99
71) Bromoform	12.355	173	185200	106.81	ug/l #	99
73) Isopropylbenzene	12.473	105	1722009	112.15	ug/l	99
74) N-amyl acetate	12.285	43	287999	112.48	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	282777	103.49	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	188194m	100.41	ug/l	
77) Bromobenzene	12.755	156	384283	107.11	ug/l	99
78) n-propylbenzene	12.820	91	2060770	112.54	ug/l	100
79) 2-Chlorotoluene	12.902	91	1142045	113.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1437646	114.86	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	87832	107.04	ug/l	98
82) 4-Chlorotoluene	13.002	91	1189840	111.50	ug/l	99
83) tert-Butylbenzene	13.220	119	1220116	115.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1453195	113.27	ug/l	99
85) sec-Butylbenzene	13.397	105	1722244	112.06	ug/l	100
86) p-Isopropyltoluene	13.508	119	1591386	113.78	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	762636	106.02	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	742155	105.10	ug/l	99
89) n-Butylbenzene	13.838	91	1511437	114.01	ug/l	100
90) Hexachloroethane	14.108	117	297715	114.02	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	657408	107.23	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	44420	113.39	ug/l	89
93) 1,2,4-Trichlorobenzene	15.155	180	427139	108.17	ug/l	99
94) Hexachlorobutadiene	15.261	225	245243	108.45	ug/l	99
95) Naphthalene	15.396	128	780534	112.67	ug/l	100
96) 1,2,3-Trichlorobenzene	15.585	180	364000	107.97	ug/l	98

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

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