

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041921\
 Data File : VD068910.D
 Acq On : 19 Apr 2021 20:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2021 10:33:37 AM

Quant Time: Apr 20 00:55:47 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	151616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	262513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	252256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	126946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	79612	49.68	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.36%			
35) Dibromofluoromethane	7.914	113	87136	51.03	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.06%			
50) Toluene-d8	10.338	98	328941	51.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.14%			
62) 4-Bromofluorobenzene	12.632	95	107922	50.45	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	58283	38.80	ug/l	93
3) Chloromethane	2.209	50	75996	43.03	ug/l	97
4) Vinyl Chloride	2.350	62	94695	42.68	ug/l	98
5) Bromomethane	2.768	94	71917	43.36	ug/l	93
6) Chloroethane	2.921	64	65442	44.88	ug/l	100
7) Trichlorofluoromethane	3.268	101	108407	41.52	ug/l	96
8) Diethyl Ether	3.709	74	35924	50.95	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.097	101	64424	40.89	ug/l	97
10) Methyl Iodide	4.303	142	67420	37.17	ug/l	99
11) Tert butyl alcohol	5.226	59	20375	238.11	ug/l #	89
12) 1,1-Dichloroethene	4.068	96	64216	42.31	ug/l	96
13) Acrolein	3.921	56	11385	180.52	ug/l	98
14) Allyl chloride	4.715	41	70338	41.12	ug/l	93
15) Acrylonitrile	5.426	53	76324	241.20	ug/l	98
16) Acetone	4.156	43	45299	204.15	ug/l	98
17) Carbon Disulfide	4.409	76	198277	40.37	ug/l	99
18) Methyl Acetate	4.715	43	27587	45.26	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	174498	51.82	ug/l	98
20) Methylene Chloride	4.962	84	94838	53.06	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	93212	47.83	ug/l	93
22) Diisopropyl ether	6.367	45	198113	47.81	ug/l	96
23) Vinyl Acetate	6.309	43	552643	251.63	ug/l	99
24) 1,1-Dichloroethane	6.262	63	146328	46.83	ug/l	97
25) 2-Butanone	7.214	43	81005	257.98	ug/l	97
26) 2,2-Dichloropropane	7.214	77	119457	46.80	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	103139	53.25	ug/l	96
28) Bromochloromethane	7.544	49	53885	47.78	ug/l	92
29) Tetrahydrofuran	7.562	42	52097	246.71	ug/l	95
30) Chloroform	7.709	83	166962	48.82	ug/l	93
31) Cyclohexane	7.985	56	106323	39.88	ug/l	96
32) 1,1,1-Trichloroethane	7.903	97	138945	46.49	ug/l	99
36) 1,1-Dichloropropene	8.114	75	117610	44.26	ug/l	98
37) Ethyl Acetate	7.297	43	35077	44.94	ug/l	97
38) Carbon Tetrachloride	8.097	117	122197	46.45	ug/l	99
39) Methylcyclohexane	9.356	83	138765	44.78	ug/l	97
40) Benzene	8.350	78	360442	46.36	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	21920	47.44	ug/l #	88
42) 1,2-Dichloroethane	8.426	62	99142	48.23	ug/l	100
43) Isopropyl Acetate	8.456	43	76339	47.98	ug/l	97
44) Trichloroethene	9.108	130	102442	47.70	ug/l	88
45) 1,2-Dichloropropane	9.385	63	87174	46.94	ug/l	93
46) Dibromomethane	9.473	93	50775	49.08	ug/l	91
47) Bromodichloromethane	9.661	83	133249	49.30	ug/l	99
48) Methyl methacrylate	9.456	41	35713	45.55	ug/l #	83
49) 1,4-Dioxane	9.467	88	12282	1121.28	ug/l	88
51) 4-Methyl-2-Pentanone	10.226	43	196885	245.51	ug/l	100
52) Toluene	10.403	92	240381	48.82	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	115792	48.33	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	136882	47.77	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	72367	49.47	ug/l	98
56) Ethyl methacrylate	10.661	69	77598	51.53	ug/l	98
57) 1,3-Dichloropropane	10.944	76	120811	50.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	208562	259.46	ug/l	97
59) 2-Hexanone	10.985	43	132687	247.28	ug/l	97
60) Dibromochloromethane	11.138	129	93887	51.19	ug/l	100
61) 1,2-Dibromoethane	11.244	107	72078	50.70	ug/l	100
64) Tetrachloroethene	10.879	164	82820	46.84	ug/l	94
65) Chlorobenzene	11.667	112	267955	49.07	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	100148	51.01	ug/l	99
67) Ethyl Benzene	11.744	91	459186	48.56	ug/l	99
68) m/p-Xylenes	11.850	106	363238	99.55	ug/l	97
69) o-Xylene	12.179	106	165778	49.96	ug/l	99
70) Styrene	12.191	104	293947	50.84	ug/l	99
71) Bromoform	12.361	173	52980	50.37	ug/l #	96
73) Isopropylbenzene	12.479	105	434005	46.82	ug/l	99
74) N-amyl acetate	12.285	43	74433	47.35	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	80849	46.67	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	49899m	43.03	ug/l	
77) Bromobenzene	12.761	156	107585	48.28	ug/l	94
78) n-propylbenzene	12.814	91	522856	46.44	ug/l	99
79) 2-Chlorotoluene	12.902	91	291488	46.35	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	378347	48.82	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	23002	46.03	ug/l	98
82) 4-Chlorotoluene	13.002	91	309278	46.39	ug/l	97
83) tert-Butylbenzene	13.220	119	306443	46.60	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	379235	48.45	ug/l	98
85) sec-Butylbenzene	13.397	105	432802	46.65	ug/l	99
86) p-Isopropyltoluene	13.514	119	399220	47.11	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	212329	48.10	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	208046	47.62	ug/l	99
89) n-Butylbenzene	13.838	91	366142	45.87	ug/l	100
90) Hexachloroethane	14.108	117	77936	46.17	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	181725	47.57	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	11795	44.79	ug/l	98
93) 1,2,4-Trichlorobenzene	15.155	180	115993	49.07	ug/l	98
94) Hexachlorobutadiene	15.261	225	64377	47.57	ug/l	99
95) Naphthalene	15.391	128	219128	53.22	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	102235	49.45	ug/l	99

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

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