

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032621\
 Data File : VD068694.D
 Acq On : 26 Mar 2021 19:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/29/2021 4:47:06 PM

Quant Time: Mar 27 00:46:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	271381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	473116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	452668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	224806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149873	54.77	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.54%			
35) Dibromofluoromethane	7.914	113	158512	53.85	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.70%			
50) Toluene-d8	10.344	98	602851	53.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.24%			
62) 4-Bromofluorobenzene	12.632	95	202254	54.97	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 109.94%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	101278	47.75	ug/l	96
3) Chloromethane	2.209	50	136565	52.25	ug/l	98
4) Vinyl Chloride	2.350	62	154422	49.99	ug/l	95
5) Bromomethane	2.768	94	114291	50.07	ug/l	99
6) Chloroethane	2.921	64	106801	52.78	ug/l	100
7) Trichlorofluoromethane	3.273	101	200387	54.42	ug/l	100
8) Diethyl Ether	3.715	74	63045	61.91	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	122364	55.53	ug/l	99
10) Methyl Iodide	4.303	142	115640	44.95	ug/l	100
11) Tert butyl alcohol	5.226	59	33080	262.34	ug/l	97
12) 1,1-Dichloroethene	4.068	96	116822	54.46	ug/l	98
13) Acrolein	3.926	56	28382	273.30	ug/l	97
14) Allyl chloride	4.715	41	150307	57.68	ug/l	99
15) Acrylonitrile	5.426	53	139045	280.53	ug/l	97
16) Acetone	4.156	43	88033	265.16	ug/l	97
17) Carbon Disulfide	4.409	76	386825	56.17	ug/l	100
18) Methyl Acetate	4.720	43	60106	65.86	ug/l	100
19) Methyl tert-butyl Ether	5.485	73	299237	55.39	ug/l	100
20) Methylene Chloride	4.967	84	156597	55.66	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	152664	51.19	ug/l	98
22) Diisopropyl ether	6.367	45	361598	54.59	ug/l	96
23) Vinyl Acetate	6.309	43	949797	269.90	ug/l	99
24) 1,1-Dichloroethane	6.267	63	256624	52.82	ug/l	97
25) 2-Butanone	7.214	43	143756	261.32	ug/l	93
26) 2,2-Dichloropropane	7.214	77	197731	45.75	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	172182	51.81	ug/l	98
28) Bromochloromethane	7.550	49	100952	52.55	ug/l	100
29) Tetrahydrofuran	7.567	42	96560	277.69	ug/l	98
30) Chloroform	7.709	83	279054	52.86	ug/l	94
31) Cyclohexane	7.991	56	198954	45.06	ug/l	100
32) 1,1,1-Trichloroethane	7.903	97	230034	48.81	ug/l	99
36) 1,1-Dichloropropene	8.114	75	202418	47.90	ug/l	99
37) Ethyl Acetate	7.291	43	64292	48.21	ug/l	98
38) Carbon Tetrachloride	8.097	117	203445	48.24	ug/l	99
39) Methylcyclohexane	9.355	83	243667	46.72	ug/l	93
40) Benzene	8.350	78	617345	50.07	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	37814m	48.45	ug/l	
42) 1,2-Dichloroethane	8.426	62	168134	52.12	ug/l	100
43) Isopropyl Acetate	8.450	43	135209	52.86	ug/l	100
44) Trichloroethene	9.114	130	169132	49.44	ug/l	97
45) 1,2-Dichloropropane	9.391	63	150391	50.99	ug/l	98
46) Dibromomethane	9.479	93	88411	52.71	ug/l	97
47) Bromodichloromethane	9.667	83	220281	51.20	ug/l	100
48) Methyl methacrylate	9.455	41	63746	49.17	ug/l	88
49) 1,4-Dioxane	9.461	88	21185	1136.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	360162	270.47	ug/l	98
52) Toluene	10.402	92	407462	52.22	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	202764	51.23	ug/l	97
54) cis-1,3-Dichloropropene	10.091	75	239093	50.87	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	122212	51.79	ug/l	94
56) Ethyl methacrylate	10.661	69	135458	53.13	ug/l	99
57) 1,3-Dichloropropane	10.950	76	203129	52.76	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	375173	288.85	ug/l	100
59) 2-Hexanone	10.985	43	242659	271.39	ug/l	100
60) Dibromochloromethane	11.138	129	153190	52.35	ug/l	99
61) 1,2-Dibromoethane	11.249	107	116322	51.08	ug/l	100
64) Tetrachloroethene	10.873	164	137425	46.83	ug/l	97
65) Chlorobenzene	11.673	112	436638	49.01	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	159038	49.62	ug/l	98
67) Ethyl Benzene	11.744	91	757238	48.72	ug/l	99
68) m/p-Xylenes	11.855	106	597418	98.66	ug/l	98
69) o-Xylene	12.179	106	283030	50.44	ug/l	96
70) Styrene	12.197	104	488340	50.64	ug/l	99
71) Bromoform	12.361	173	87472	51.74	ug/l #	98
73) Isopropylbenzene	12.479	105	742046	48.04	ug/l	99
74) N-amyl acetate	12.285	43	126834	49.26	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.732	83	134702	49.36	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	90976m	48.62	ug/l	
77) Bromobenzene	12.761	156	179514	49.55	ug/l	98
78) n-propylbenzene	12.820	91	888150	48.29	ug/l	100
79) 2-Chlorotoluene	12.902	91	487984	48.62	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	609191	48.77	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	39295	47.78	ug/l	99
82) 4-Chlorotoluene	13.002	91	529917	49.43	ug/l	99
83) tert-Butylbenzene	13.220	119	516732	48.54	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	645465	50.02	ug/l	99
85) sec-Butylbenzene	13.396	105	731465	47.26	ug/l	100
86) p-Isopropyltoluene	13.514	119	671358	47.67	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	352577	48.80	ug/l	98
88) 1,4-Dichlorobenzene	13.591	146	342265	48.19	ug/l	98
89) n-Butylbenzene	13.838	91	626062	46.83	ug/l	99
90) Hexachloroethane	14.108	117	129606	51.15	ug/l	100
91) 1,2-Dichlorobenzene	13.885	146	306085	49.87	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	20186	51.70	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	197745	49.58	ug/l	99
94) Hexachlorobutadiene	15.261	225	107154	47.05	ug/l	99
95) Naphthalene	15.396	128	362152	51.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	173084	50.97	ug/l	98

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

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