

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031921\
 Data File : VD068662.D
 Acq On : 19 Mar 2021 13:37
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 3/22/2021 11:36:54 AM

Quant Time: Mar 20 01:28:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 01:26:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	331277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	566090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	520470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	248090	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	33064	9.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.76%#		
35) Dibromofluoromethane	7.920	113	35411	10.23	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.46%#		
50) Toluene-d8	10.344	98	128698	9.34	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	18.68%#		
62) 4-Bromofluorobenzene	12.632	95	40459	9.15	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	18.30%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	23318	7.54	ug/l	92
3) Chloromethane	2.209	50	32584	8.33	ug/l	98
4) Vinyl Chloride	2.350	62	36887	7.97	ug/l	98
5) Bromomethane	2.768	94	26979	8.14	ug/l	97
6) Chloroethane	2.920	64	24678	8.20	ug/l #	88
7) Trichlorofluoromethane	3.273	101	44094	8.29	ug/l	99
8) Diethyl Ether	3.715	74	12644	8.02	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	26960	8.32	ug/l	96
10) Methyl Iodide	4.303	142	21654	6.34	ug/l	99
11) Tert butyl alcohol	5.238	59	8238	46.98	ug/l	99
12) 1,1-Dichloroethene	4.067	96	25950	8.07	ug/l	94
13) Acrolein	3.926	56	8642	37.70	ug/l	96
14) Allyl chloride	4.715	41	30630	7.47	ug/l	99
15) Acrylonitrile	5.426	53	31457	46.32	ug/l	98
16) Acetone	4.167	43	21467	42.89	ug/l	96
17) Carbon Disulfide	4.409	76	79021	7.53	ug/l	99
18) Methyl Acetate	4.732	43	10626	7.99	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	66602	9.33	ug/l	95
20) Methylene Chloride	4.973	84	54177	12.43	ug/l	98
21) trans-1,2-Dichloroethene	5.485	96	35390	9.02	ug/l	96
22) Diisopropyl ether	6.367	45	81298	8.80	ug/l	98
23) Vinyl Acetate	6.309	43	208854	43.37	ug/l	99
24) 1,1-Dichloroethane	6.261	63	61745	9.68	ug/l	98
25) 2-Butanone	7.208	43	34192	45.89	ug/l	97
26) 2,2-Dichloropropane	7.208	77	53813	10.00	ug/l	99
27) cis-1,2-Dichloroethene	7.220	96	41146	9.53	ug/l	97
28) Bromochloromethane	7.556	49	21705	8.65	ug/l	97
29) Tetrahydrofuran	7.561	42	21139	43.82	ug/l	98
30) Chloroform	7.708	83	67703	9.99	ug/l	99
31) Cyclohexane	7.985	56	54399	9.19	ug/l #	95
32) 1,1,1-Trichloroethane	7.903	97	58355	10.01	ug/l	99
36) 1,1-Dichloropropene	8.114	75	50242	9.40	ug/l	97
37) Ethyl Acetate	7.297	43	17696	10.01	ug/l	97
38) Carbon Tetrachloride	8.103	117	50550	9.99	ug/l	96
39) Methylcyclohexane	9.355	83	57665	8.74	ug/l	94
40) Benzene	8.350	78	150368	9.78	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	10115	9.67	ug/l #	21
42) 1,2-Dichloroethane	8.426	62	40705	10.12	ug/l	99
43) Isopropyl Acetate	8.450	43	30540	9.39	ug/l	99
44) Trichloroethene	9.114	130	42058	9.97	ug/l	94
45) 1,2-Dichloropropane	9.391	63	36041	9.86	ug/l	97
46) Dibromomethane	9.479	93	20644	10.21	ug/l	94
47) Bromodichloromethane	9.661	83	52670	10.16	ug/l	96
48) Methyl methacrylate	9.455	41	15809	9.13	ug/l	96
49) 1,4-Dioxane	9.461	88	4799	209.88	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	82789	48.79	ug/l	95
52) Toluene	10.402	92	91535	9.32	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	49425	10.28	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	56260	9.66	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	29820	10.75	ug/l	97
56) Ethyl methacrylate	10.661	69	30062	9.43	ug/l	99
57) 1,3-Dichloropropane	10.949	76	48325	9.99	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.944	63	63993	39.71	ug/l	99
59) 2-Hexanone	10.985	43	53100	46.83	ug/l	99
60) Dibromochloromethane	11.144	129	36612	10.64	ug/l	97
61) 1,2-Dibromoethane	11.249	107	28129	10.34	ug/l	99
64) Tetrachloroethene	10.879	164	33405	9.77	ug/l	92
65) Chlorobenzene	11.667	112	105147	9.91	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.744	131	37362	10.10	ug/l	97
67) Ethyl Benzene	11.744	91	173764	9.21	ug/l	100
68) m/p-Xylenes	11.849	106	135019	18.81	ug/l	99
69) o-Xylene	12.179	106	61971	9.38	ug/l	98
70) Styrene	12.196	104	105530	9.31	ug/l	99
71) Bromoform	12.355	173	20016	10.57	ug/l #	97
73) Isopropylbenzene	12.479	105	167216	9.18	ug/l	100
74) N-amyl acetate	12.285	43	28093	9.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	32622	10.34	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	21460m	9.67	ug/l	
77) Bromobenzene	12.761	156	40738	9.72	ug/l	99
78) n-propylbenzene	12.820	91	202671	9.30	ug/l	99
79) 2-Chlorotoluene	12.902	91	111585	9.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	135452	9.09	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	8933	9.48	ug/l #	85
82) 4-Chlorotoluene	13.002	91	117999	9.29	ug/l	97
83) tert-Butylbenzene	13.220	119	113568	8.94	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	141098	9.39	ug/l	99
85) sec-Butylbenzene	13.396	105	167658	9.29	ug/l	100
86) p-Isopropyltoluene	13.514	119	151405	9.26	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	81781	10.12	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	83429	10.40	ug/l	97
89) n-Butylbenzene	13.843	91	141423	8.98	ug/l	99
90) Hexachloroethane	14.108	117	30443	9.78	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	68972	9.94	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	4730	8.72	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	43017	8.27	ug/l	99
94) Hexachlorobutadiene	15.261	225	24490	8.43	ug/l	98
95) Naphthalene	15.396	128	72691	7.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	37402	8.25	ug/l	98

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

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