

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091820\
 Data File : VD066757.D
 Acq On : 18 Sep 2020 11:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/21/2020 11:48:52 AM

Quant Time: Sep 19 03:38:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	436368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	672473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	610853	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286067	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	222930	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
35) Dibromofluoromethane	7.91	113	225926	54.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.60%	
50) Toluene-d8	10.34	98	829581	56.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.96%	
62) 4-Bromofluorobenzene	12.63	95	275572	54.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	155094	47.785	ug/l	100
3) Chloromethane	2.21	50	194001	40.855	ug/l	97
4) Vinyl Chloride	2.35	62	207520	41.757	ug/l	96
5) Bromomethane	2.77	94	143348	40.661	ug/l	87
6) Chloroethane	2.93	64	128167	41.398	ug/l	96
7) Trichlorofluoromethane	3.27	101	395554	46.081	ug/l	99
8) Diethyl Ether	3.71	74	105156	48.922	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	225414	47.783	ug/l	99
10) Methyl Iodide	4.30	142	215586	48.166	ug/l	99
11) Tert butyl alcohol	5.23	59	64149	197.914	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	207390	47.498	ug/l	98
13) Acrolein	3.92	56	79805	243.039	ug/l	95
14) Allyl chloride	4.71	41	329580	47.001	ug/l	97
15) Acrylonitrile	5.43	53	226705	240.762	ug/l	97
16) Acetone	4.15	43	267998	282.669	ug/l	98
17) Carbon Disulfide	4.41	76	662824	48.310	ug/l	96
18) Methyl Acetate	4.71	43	100048	49.396	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	467678	48.088	ug/l	97
20) Methylene Chloride	4.96	84	243964	47.502	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	246234	48.404	ug/l	99
22) Diisopropyl ether	6.36	45	672153	47.175	ug/l	99
23) Vinyl Acetate	6.31	43	1958311	247.090	ug/l	96
24) 1,1-Dichloroethane	6.26	63	425797	47.094	ug/l	97
25) 2-Butanone	7.21	43	306518	248.281	ug/l	96
26) 2,2-Dichloropropane	7.21	77	392833	46.985	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	267872	48.133	ug/l	99
28) Bromochloromethane	7.55	49	153881	45.566	ug/l	95
29) Tetrahydrofuran	7.56	42	187065	247.655	ug/l	99
30) Chloroform	7.71	83	447959	46.552	ug/l	98
31) Cyclohexane	7.98	56	379897	46.193	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	423640	48.111	ug/l	99
36) 1,1-Dichloropropene	8.11	75	355167	51.370	ug/l	99
37) Ethyl Acetate	7.29	43	132556	50.643	ug/l	98
38) Carbon Tetrachloride	8.09	117	376730	51.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	414037	52.354	ug/l	97
40) Benzene	8.35	78	968227	51.763	ug/l	100
41) Methacrylonitrile	7.52	41	68127m	49.164	ug/l	
42) 1,2-Dichloroethane	8.43	62	279016	48.147	ug/l	97
43) Isopropyl Acetate	8.45	43	246181	49.969	ug/l	99
44) Trichloroethene	9.11	130	262421	52.471	ug/l	100
45) 1,2-Dichloropropane	9.38	63	235031	50.826	ug/l	97
46) Dibromomethane	9.47	93	126508	49.786	ug/l	97
47) Bromodichloromethane	9.66	83	343804	49.653	ug/l	96
48) Methyl methacrylate	9.46	41	133514	53.279	ug/l	97
49) 1,4-Dioxane	9.46	88	29448	1081.871	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	647929	255.453	ug/l	98
52) Toluene	10.40	92	632183	52.758	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	314688	50.875	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	380311	51.765	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	171251	51.115	ug/l	94
56) Ethyl methacrylate	10.66	69	201889	53.102	ug/l	97
57) 1,3-Dichloropropane	10.94	76	299226	50.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	444232	266.044	ug/l	98
59) 2-Hexanone	10.98	43	476523	279.610	ug/l	97
60) Dibromochloromethane	11.14	129	226364	51.854	ug/l	97
61) 1,2-Dibromoethane	11.24	107	163250	50.797	ug/l	100
64) Tetrachloroethene	10.87	164	209421	50.222	ug/l	98
65) Chlorobenzene	11.67	112	642955	50.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	237448	50.885	ug/l	99
67) Ethyl Benzene	11.74	91	1204800	52.593	ug/l	100
68) m/p-Xylenes	11.85	106	917588	105.980	ug/l	97
69) o-Xylene	12.18	106	408086	53.336	ug/l	96
70) Styrene	12.20	104	714925	53.089	ug/l	99
71) Bromoform	12.36	173	120840	51.600	ug/l #	100
73) Isopropylbenzene	12.48	105	1130637	52.943	ug/l	100
74) N-amyl acetate	12.29	43	228166	50.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	180061	49.619	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	118717m	48.483	ug/l	
77) Bromobenzene	12.76	156	246803	50.142	ug/l	96
78) n-propylbenzene	12.82	91	1364190	52.403	ug/l	98
79) 2-Chlorotoluene	12.91	91	755779	51.343	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	950735	52.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	58442	51.510	ug/l	99
82) 4-Chlorotoluene	13.01	91	790415	50.783	ug/l	100
83) tert-Butylbenzene	13.23	119	775462	52.106	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	950684	52.683	ug/l	99
85) sec-Butylbenzene	13.40	105	1123152	52.641	ug/l	99
86) p-Isopropyltoluene	13.52	119	1035410	53.380	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	486458	51.514	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	471488	50.140	ug/l	99
89) n-Butylbenzene	13.85	91	976103	52.922	ug/l	98
90) Hexachloroethane	14.11	117	202713	50.873	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	409814	50.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29919	51.004	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	259482	53.022	ug/l	99
94) Hexachlorobutadiene	15.27	225	153684	52.123	ug/l	98
95) Naphthalene	15.41	128	460450	53.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	220451	51.572	ug/l	98

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

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