

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066541.D
 Acq On : 03 Sep 2020 16:50
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:59 PM

Quant Time: Sep 04 01:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	388085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	618126	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	563519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	686491	165.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.42%	
35) Dibromofluoromethane	7.91	113	637596	172.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	344.90%	
50) Toluene-d8	10.34	98	2392887	173.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.68%	
62) 4-Bromofluorobenzene	12.63	95	794078	161.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	458030	137.797	ug/l	92
3) Chloromethane	2.21	50	631178	262.574	ug/l	100
4) Vinyl Chloride	2.35	62	726554	253.096	ug/l	99
5) Bromomethane	2.74	94	480690	212.862	ug/l	85
6) Chloroethane	2.91	64	454218	238.917	ug/l	100
7) Trichlorofluoromethane	3.27	101	1070046	144.386	ug/l	95
8) Diethyl Ether	3.71	74	289119	194.520	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	577832	177.483	ug/l	97
10) Methyl Iodide	4.30	142	631575	184.871	ug/l	98
11) Tert butyl alcohol	5.23	59	196687	645.329	ug/l	100
12) 1,1-Dichloroethene	4.06	96	543733	180.295	ug/l	95
13) Acrolein	3.92	56	134713	958.760	ug/l	98
14) Allyl chloride	4.71	41	944441	255.067	ug/l	99
15) Acrylonitrile	5.42	53	649473	1169.842	ug/l	99
16) Acetone	4.16	43	600187	927.307	ug/l	98
17) Carbon Disulfide	4.41	76	1762337	196.008	ug/l	98
18) Methyl Acetate	4.71	43	291563	255.682	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	1408857	181.389	ug/l	98
20) Methylene Chloride	4.96	84	638670	165.910	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	650508	185.548	ug/l	99
22) Diisopropyl ether	6.36	45	1964229	259.842	ug/l	99
23) Vinyl Acetate	6.30	43	5843852	1235.504	ug/l	97
24) 1,1-Dichloroethane	6.26	63	1165213	209.488	ug/l	99
25) 2-Butanone	7.21	43	848466	1186.280	ug/l	95
26) 2,2-Dichloropropane	7.21	77	1042559	159.231	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	723535	191.085	ug/l	99
28) Bromochloromethane	7.54	49	461774	265.626	ug/l	99
29) Tetrahydrofuran	7.56	42	542093	1390.786	ug/l	99
30) Chloroform	7.71	83	1217933	178.234	ug/l	100
31) Cyclohexane	7.98	56	1019509	206.553	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	1129572	153.905	ug/l	99
36) 1,1-Dichloropropene	8.11	75	950374	171.504	ug/l	99
37) Ethyl Acetate	7.29	43	385745	216.559	ug/l	98
38) Carbon Tetrachloride	8.09	117	1016471	128.276	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	1144029	175.985	ug/l	99
40) Benzene	8.34	78	2576013	178.622	ug/l	100
41) Methacrylonitrile	7.52	41	189495m	199.992	ug/l	
42) 1,2-Dichloroethane	8.42	62	812533	139.752	ug/l	99
43) Isopropyl Acetate	8.45	43	756697	208.271	ug/l	99
44) Trichloroethene	9.11	130	678534	143.065	ug/l	98
45) 1,2-Dichloropropane	9.38	63	645724	213.974	ug/l	96
46) Dibromomethane	9.47	93	357093	172.298	ug/l	96
47) Bromodichloromethane	9.66	83	969585	159.824	ug/l	99
48) Methyl methacrylate	9.45	41	402032	216.840	ug/l	99
49) 1,4-Dioxane	9.46	88	82310	3431.881	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1927704	1131.128	ug/l	100
52) Toluene	10.40	92	1678487	166.825	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	917921	166.665	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	1078126	181.350	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	460846	175.643	ug/l	97
56) Ethyl methacrylate	10.66	69	606665	193.828	ug/l	97
57) 1,3-Dichloropropane	10.94	76	811997	184.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1223319	970.485	ug/l	97
59) 2-Hexanone	10.98	43	1326841	1085.253	ug/l	99
60) Dibromochloromethane	11.14	129	620621	148.427	ug/l	99
61) 1,2-Dibromoethane	11.24	107	447572	167.097	ug/l	99
64) Tetrachloroethene	10.87	164	549375	128.780	ug/l	95
65) Chlorobenzene	11.67	112	1708790	154.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	653069	141.628	ug/l	99
67) Ethyl Benzene	11.74	91	3280949	166.452	ug/l	99
68) m/p-Xylenes	11.85	106	2446729	321.370	ug/l	100
69) o-Xylene	12.18	106	1128634	157.488	ug/l	100
70) Styrene	12.20	104	1982957	161.495	ug/l	99
71) Bromoform	12.36	173	337481	135.957	ug/l	# 100
73) Isopropylbenzene	12.48	105	3123126	172.642	ug/l	100
74) N-amyl acetate	12.29	43	717736	240.979	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	497943	213.859	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	340041m	184.238	ug/l	
77) Bromobenzene	12.76	156	672570	150.174	ug/l	98
78) n-propylbenzene	12.82	91	3700616	183.328	ug/l	99
79) 2-Chlorotoluene	12.91	91	2077540	179.903	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	2618499	166.893	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	167607	209.964	ug/l	96
82) 4-Chlorotoluene	13.01	91	2171458	175.122	ug/l	99
83) tert-Butylbenzene	13.23	119	2177065	160.579	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2616537	167.609	ug/l	99
85) sec-Butylbenzene	13.40	105	3053285	173.082	ug/l	100
86) p-Isopropyltoluene	13.52	119	2835868	163.678	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1321930	157.498	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1279565	151.383	ug/l	100
89) n-Butylbenzene	13.85	91	2700151	181.561	ug/l	99
90) Hexachloroethane	14.11	117	547376	171.014	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	1133751	155.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	86275	155.211	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	708670	128.311	ug/l	98
94) Hexachlorobutadiene	15.27	225	396573	111.862	ug/l	97
95) Naphthalene	15.41	128	1359513	154.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	605408	126.476	ug/l	99

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

