

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064303.D
 Acq On : 19 Nov 2019 21:38
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:39 AM

Quant Time: Nov 20 05:59:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	519279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	775948	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	333629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	217527	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	7.92	113	223802	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.34	98	810650	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	270144	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	192371	44.667	ug/l	99
3) Chloromethane	2.21	50	233715	50.593	ug/l	96
4) Vinyl Chloride	2.35	62	275728	55.816	ug/l	96
5) Bromomethane	2.77	94	200057	64.134	ug/l	99
6) Chloroethane	2.93	64	196424	62.227	ug/l	98
7) Trichlorofluoromethane	3.27	101	477243	59.587	ug/l	98
8) Diethyl Ether	3.71	74	118473	53.797	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	221705	48.431	ug/l	99
10) Methyl Iodide	4.30	142	242656	46.581	ug/l	99
11) Tert butyl alcohol	5.26	59	77649	260.310	ug/l	98
12) 1,1-Dichloroethene	4.06	96	210421	48.224	ug/l	95
13) Acrolein	3.93	56	70932	281.086	ug/l	99
14) Allyl chloride	4.71	41	349550	45.309	ug/l	95
15) Acrylonitrile	5.43	53	252617	269.076	ug/l	99
16) Acetone	4.17	43	186445	184.280	ug/l	96
17) Carbon Disulfide	4.40	76	615769	45.316	ug/l	99
18) Methyl Acetate	4.73	43	146228	51.747	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	543285	52.156	ug/l	97
20) Methylene Chloride	4.97	84	240641	47.086	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	245709	49.703	ug/l	99
22) Diisopropyl ether	6.37	45	722258	50.457	ug/l	99
23) Vinyl Acetate	6.31	43	2106289	263.974	ug/l	99
24) 1,1-Dichloroethane	6.27	63	417672	50.253	ug/l	99
25) 2-Butanone	7.22	43	312992	239.451	ug/l	99
26) 2,2-Dichloropropane	7.21	77	345370	42.373	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	276951	52.241	ug/l	93
28) Bromochloromethane	7.56	49	173395	59.924	ug/l	99
29) Tetrahydrofuran	7.57	42	211262	269.005	ug/l	97
30) Chloroform	7.72	83	450613	53.003	ug/l	98
31) Cyclohexane	7.98	56	362819	43.285	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393216	48.303	ug/l	100
36) 1,1-Dichloropropene	8.11	75	324335	45.290	ug/l	99
37) Ethyl Acetate	7.30	43	149607	49.554	ug/l	97
38) Carbon Tetrachloride	8.10	117	353318	46.108	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	396197	43.722	ug/l	95
40) Benzene	8.36	78	961364	49.119	ug/l	97
41) Methacrylonitrile	7.53	41	84739	44.657	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	289803	49.301	ug/l	100
43) Isopropyl Acetate	8.46	43	297954	47.899	ug/l	97
44) Trichloroethene	9.11	130	281177	47.866	ug/l	100
45) 1,2-Dichloropropane	9.39	63	238180	49.998	ug/l	99
46) Dibromomethane	9.48	93	136596	53.560	ug/l	98
47) Bromodichloromethane	9.67	83	348521	50.734	ug/l	98
48) Methyl methacrylate	9.46	41	141171	46.412	ug/l	94
49) 1,4-Dioxane	9.47	88	32476	1060.291	ug/l	91
51) 4-Methyl-2-Pentanone	10.24	43	740132	248.118	ug/l	99
52) Toluene	10.41	92	616751	47.922	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	333097	48.400	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	389592	48.511	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	182800	52.837	ug/l	98
56) Ethyl methacrylate	10.67	69	241672	49.936	ug/l	95
57) 1,3-Dichloropropane	10.96	76	315785	52.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	502262	256.200	ug/l	99
59) 2-Hexanone	10.99	43	499779	235.497	ug/l	98
60) Dibromochloromethane	11.14	129	249959	51.778	ug/l	99
61) 1,2-Dibromoethane	11.25	107	182125	52.558	ug/l	97
64) Tetrachloroethene	10.88	164	237627	45.018	ug/l	97
65) Chlorobenzene	11.67	112	675618	48.409	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258062	48.629	ug/l	97
67) Ethyl Benzene	11.75	91	1183288	46.873	ug/l	99
68) m/p-Xylenes	11.86	106	913185	94.373	ug/l	98
69) o-Xylene	12.18	106	432497	48.193	ug/l	97
70) Styrene	12.20	104	749023	47.815	ug/l	98
71) Bromoform	12.37	173	156275	51.745	ug/l #	99
73) Isopropylbenzene	12.48	105	1136336	46.403	ug/l	100
74) N-amyl acetate	12.30	43	269371	46.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189641	51.394	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	129115m	48.047	ug/l	
77) Bromobenzene	12.77	156	296450	49.830	ug/l	97
78) n-propylbenzene	12.83	91	1298136	46.398	ug/l	99
79) 2-Chlorotoluene	12.91	91	732046	46.344	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	928966	46.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	61280	45.297	ug/l	98
82) 4-Chlorotoluene	13.01	91	764113	46.379	ug/l	99
83) tert-Butylbenzene	13.23	119	806534	45.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	932401	46.935	ug/l	100
85) sec-Butylbenzene	13.41	105	1093801	45.899	ug/l	99
86) p-Isopropyltoluene	13.53	119	1032192	45.560	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	534765	48.423	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	529866	49.160	ug/l	100
89) n-Butylbenzene	13.86	91	913853	44.647	ug/l	99
90) Hexachloroethane	14.12	117	195786	46.760	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	467554	50.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29739	45.077	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	346968	48.119	ug/l	99
94) Hexachlorobutadiene	15.28	225	212586	45.645	ug/l	98
95) Naphthalene	15.41	128	602963	51.012	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	302972	49.430	ug/l	99

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

