

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060914.D
 Acq On : 1 Mar 2019 17:31
 Operator : VA/AP
 Sample : VSTDIC100
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:10 AM

Quant Time: Mar 02 01:31:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 01 16:47:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	718352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1283717	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1060657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	441740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	598946	112.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.36%	
35) Dibromofluoromethane	6.92	113	996571	103.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	207.68%	
50) Toluene-d8	10.40	98	2313598	89.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.12%	
62) 4-Bromofluorobenzene	13.55	95	880209	87.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	819832	104.657	ug/l	99
3) Chloromethane	1.76	50	656865	136.398	ug/l	99
4) Vinyl Chloride	1.85	62	592214	132.319	ug/l	99
5) Bromomethane	2.15	94	83471	99.680	ug/l #	97
6) Chloroethane	2.25	64	115788	95.343	ug/l	95
7) Trichlorofluoromethane	2.52	101	655553	90.359	ug/l	91
8) Diethyl Ether	2.87	74	345412	276.863	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	946341	212.119	ug/l	92
10) Methyl Iodide	3.31	142	1516238	119.031	ug/l	100
11) Tert butyl alcohol	4.07	59	239555	590.867	ug/l	96
12) 1,1-Dichloroethene	3.13	96	785339	235.632	ug/l	96
13) Acrolein	3.04	56	305843	1360.610	ug/l	96
14) Allyl chloride	3.62	41	1302126	119.667	ug/l	93
15) Acrylonitrile	4.19	53	892800	705.223	ug/l	97
16) Acetone	3.23	43	968399	597.819	ug/l #	88
17) Carbon Disulfide	3.38	76	2921662	118.644	ug/l	100
18) Methyl Acetate	3.64	43	401542	119.474	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	1451864	103.915	ug/l	92
20) Methylene Chloride	3.82	84	944393	103.776	ug/l	88
21) trans-1,2-Dichloroethene	4.21	96	890089	120.511	ug/l	96
22) Diisopropyl ether	5.12	45	2949741	138.198	ug/l	95
23) Vinyl Acetate	5.06	43	7868001	651.404	ug/l	100
24) 1,1-Dichloroethane	4.98	63	1563313	134.072	ug/l	100
25) 2-Butanone	6.06	43	1296577	606.449	ug/l	100
26) 2,2-Dichloropropane	6.01	77	1122987	101.453	ug/l	94
27) cis-1,2-Dichloroethene	6.03	96	1011365	124.695	ug/l	100
28) Bromochloromethane	6.44	49	676801	147.549	ug/l	96
29) Tetrahydrofuran	6.46	42	672349	631.093	ug/l	98
30) Chloroform	6.65	83	1543340	111.887	ug/l	99
31) Cyclohexane	6.95	56	1264014	130.699	ug/l	90
32) 1,1,1-Trichloroethane	6.86	97	1279681	119.169	ug/l	96
36) 1,1-Dichloropropene	7.14	75	1128040	83.989	ug/l	92
37) Ethyl Acetate	6.18	43	582418	92.240	ug/l	98
38) Carbon Tetrachloride	7.11	117	1273768	102.210	ug/l	98

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

39) Methylcyclohexane	8.86	83	1258002	88.114	ug/l #	86
40) Benzene	7.45	78	3025649	90.648	ug/l	99
41) Methacrylonitrile	6.44	41	344027m	100.853	ug/l	
42) 1,2-Dichloroethane	7.57	62	891722	98.230	ug/l	99
43) Isopropyl Acetate	9.23	43	905940	101.290	ug/l #	97
44) Trichloroethene	8.53	130	1090299	100.169	ug/l	98
45) 1,2-Dichloropropane	8.94	63	796984	102.219	ug/l	98
46) Dibromomethane	9.06	93	557820	99.573	ug/l	92
47) Bromodichloromethane	9.37	83	1210186	91.085	ug/l	98
48) Methyl methacrylate	9.11	41	477709	92.771	ug/l	97
49) 1,4-Dioxane	9.08	88	114278	2118.505	ug/l	89
51) 4-Methyl-2-Pentanone	10.30	43	2662515	482.577	ug/l	88
52) Toluene	10.50	92	1817506	94.017	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	1028413	83.850	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	1297794	91.844	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	646013	97.420	ug/l	93
56) Ethyl methacrylate	11.03	69	749564	99.330	ug/l	94
57) 1,3-Dichloropropane	11.40	76	1033057	94.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	1762200	487.397	ug/l	97
59) 2-Hexanone	11.53	43	1720328	406.135	ug/l	94
60) Dibromochloromethane	11.67	129	968482	101.637	ug/l	98
61) 1,2-Dibromoethane	11.80	107	812596	108.249	ug/l	98
64) Tetrachloroethene	11.25	164	829579	87.535	ug/l	93
65) Chlorobenzene	12.39	112	2258737	105.070	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	792246	92.609	ug/l	99
67) Ethyl Benzene	12.52	91	2893492	79.079	ug/l	90
68) m/p-Xylenes	12.67	106	2295771	177.517	ug/l	83
69) o-Xylene	13.04	106	1094715	87.890	ug/l	83
70) Styrene	13.07	104	1992712	95.190	ug/l	95
71) Bromoform	13.23	173	578875	85.090	ug/l	99
73) Isopropylbenzene	13.40	105	3337068	129.104	ug/l	96
74) N-amyl acetate	13.26	43	1124785	125.906	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	735222	115.493	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	746407	113.556	ug/l	100
77) Bromobenzene	13.66	156	925560	111.260	ug/l	96
78) n-propylbenzene	13.77	91	3566422	103.407	ug/l	92
79) 2-Chlorotoluene	13.84	91	2207985	111.932	ug/l	89
80) 1,3,5-Trimethylbenzene	14.23	105	2339504	110.130	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	228800	109.250	ug/l	96
82) 4-Chlorotoluene	13.95	91	2223089	102.721	ug/l	89
83) tert-Butylbenzene	14.18	119	2767444	112.813	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	2339504	110.130	ug/l	95
85) sec-Butylbenzene	14.36	105	3288018	120.058	ug/l	96
86) p-Isopropyltoluene	14.49	119	2539358	110.414	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	1519579	99.876	ug/l	94
88) 1,4-Dichlorobenzene	14.53	146	1411506	96.059	ug/l	94
89) n-Butylbenzene	14.79	91	2025998	85.030	ug/l	100
90) Hexachloroethane	15.00	117	816443	125.106	ug/l	76
91) 1,2-Dichlorobenzene	14.80	146	1083424	85.524	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	15.38	75	93573	104.958	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	744919	83.090	ug/l	98
94) Hexachlorobutadiene	16.04	225	525606	97.714	ug/l	98
95) Naphthalene	16.12	128	1177951	87.151	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	375995	54.537	ug/l	99

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

