

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060788.D
 Acq On : 23 Jan 2019 18:03
 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
 1/24/2019 12:50:08 PM

Quant Time: Jan 24 06:05:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 24 05:41:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.80	168	657501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.98	114	933052	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	714474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	345220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	796864	92.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.24%	
35) Dibromofluoromethane	6.68	113	698877	84.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.44%	
50) Toluene-d8	10.19	98	1652120	84.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	169.32%	
62) 4-Bromofluorobenzene	13.35	95	794118	83.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	167.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	873579	104.956	ug/l	97
3) Chloromethane	1.76	50	494657	113.462	ug/l	99
4) Vinyl Chloride	1.85	62	520626	105.459	ug/l	97
5) Bromomethane	2.13	94	127299	88.101	ug/l	92
6) Chloroethane	2.24	64	134788	76.176	ug/l	98
7) Trichlorofluoromethane	2.49	101	853533	90.003	ug/l	100
8) Diethyl Ether	2.80	74	130578	116.424	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.06	101	474734	101.105	ug/l	95
10) Methyl Iodide	3.21	142	521967	103.255	ug/l	99
11) Tert butyl alcohol	3.93	59	248883	497.574	ug/l	98
12) 1,1-Dichloroethene	3.04	96	329113	100.611	ug/l	93
13) Acrolein	2.96	56	84386	451.727	ug/l	97
14) Allyl chloride	3.50	41	740843	106.476	ug/l	97
15) Acrylonitrile	4.04	53	554032	476.031	ug/l	98
16) Acetone	3.14	43	634319	527.999	ug/l	92
17) Carbon Disulfide	3.28	76	1116050	103.417	ug/l	99
18) Methyl Acetate	3.52	43	257523	101.854	ug/l #	93
19) Methyl tert-butyl Ether	4.09	73	1478761	95.424	ug/l	99
20) Methylene Chloride	3.68	84	606622	95.549	ug/l	98
21) trans-1,2-Dichloroethene	4.05	96	616815	98.874	ug/l	94
22) Diisopropyl ether	4.90	45	2047229	95.823	ug/l	99
23) Vinyl Acetate	4.84	43	5801096	474.513	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1349663	104.581	ug/l	98
25) 2-Butanone	5.84	43	927768	492.385	ug/l	94
26) 2,2-Dichloropropane	5.79	77	1269908	99.302	ug/l	96
27) cis-1,2-Dichloroethene	5.80	96	639389	99.184	ug/l	98
28) Bromochloromethane	6.21	49	441381	84.274	ug/l #	93
29) Tetrahydrofuran	6.24	42	432777	476.782	ug/l	99
30) Chloroform	6.42	83	1588951	105.361	ug/l	96
31) Cyclohexane	6.72	56	975298	102.609	ug/l	98
32) 1,1,1-Trichloroethane	6.63	97	1443887	101.727	ug/l	98
36) 1,1-Dichloropropene	6.91	75	1051584	97.950	ug/l	97
37) Ethyl Acetate	5.95	43	453749	101.692	ug/l	99
38) Carbon Tetrachloride	6.88	117	1341341	101.376	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	963340	100.648	ug/l	98
40) Benzene	7.22	78	2291125	104.663	ug/l	99
41) Methacrylonitrile	6.23	41	329466m	98.869	ug/l	
42) 1,2-Dichloroethane	7.34	62	1179695	99.334	ug/l	96
43) Isopropyl Acetate	9.01	43	657743	95.974	ug/l #	99
44) Trichloroethene	8.30	130	748963	96.450	ug/l	98
45) 1,2-Dichloropropane	8.71	63	575794	101.364	ug/l	100
46) Dibromomethane	8.84	93	460727	99.154	ug/l	99
47) Bromodichloromethane	9.14	83	1160328	101.373	ug/l	96
48) Methyl methacrylate	8.89	41	458135	99.065	ug/l	97
49) 1,4-Dioxane	8.86	88	84152	2155.556	ug/l	95
51) 4-Methyl-2-Pentanone	10.09	43	1976461	438.416	ug/l	99
52) Toluene	10.29	92	1311906	95.762	ug/l	100
53) t-1,3-Dichloropropene	10.70	75	1056683	94.342	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	1120249	105.292	ug/l	93
55) 1,1,2-Trichloroethane	10.97	97	454600	93.530	ug/l	98
56) Ethyl methacrylate	10.82	69	599713	106.326	ug/l	96
57) 1,3-Dichloropropane	11.20	76	735285	86.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.63	63	1367024	428.965	ug/l	95
59) 2-Hexanone	11.33	43	1552874	466.842	ug/l	99
60) Dibromochloromethane	11.47	129	804206	104.363	ug/l	98
61) 1,2-Dibromoethane	11.59	107	572513	103.862	ug/l	96
64) Tetrachloroethene	11.04	164	596608	95.336	ug/l	95
65) Chlorobenzene	12.19	112	1523954	106.408	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.31	131	592281	92.915	ug/l	100
67) Ethyl Benzene	12.32	91	2479336	92.904	ug/l	98
68) m/p-Xylenes	12.47	106	1694907	193.798	ug/l	99
69) o-Xylene	12.84	106	801609	97.587	ug/l	94
70) Styrene	12.87	104	1300441	89.894	ug/l	99
71) Bromoform	13.03	173	532753	113.225	ug/l	99
73) Isopropylbenzene	13.21	105	2433884	96.005	ug/l	99
74) N-amyl acetate	13.07	43	858050	106.843	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.50	83	528593	112.216	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	610336	106.611	ug/l	95
77) Bromobenzene	13.47	156	691580	100.866	ug/l	97
78) n-propylbenzene	13.58	91	3290121	103.556	ug/l	99
79) 2-Chlorotoluene	13.64	91	1890172	102.563	ug/l	99
80) 1,3,5-Trimethylbenzene	14.04	105	2077733	95.740	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.28	75	162856	103.006	ug/l	99
82) 4-Chlorotoluene	13.75	91	2145678	100.535	ug/l	99
83) tert-Butylbenzene	13.99	119	2165833	97.019	ug/l	97
84) 1,2,4-Trimethylbenzene	14.04	105	2077733	95.740	ug/l	98
85) sec-Butylbenzene	14.17	105	2655642	97.670	ug/l	100
86) p-Isopropyltoluene	14.30	119	2101962	93.954	ug/l	100
87) 1,3-Dichlorobenzene	14.26	146	1173490	102.981	ug/l	99
88) 1,4-Dichlorobenzene	14.34	146	1165530	99.920	ug/l	100
89) n-Butylbenzene	14.60	91	2036515	96.821	ug/l	99
90) Hexachloroethane	14.81	117	615349	93.610	ug/l	88
91) 1,2-Dichlorobenzene	14.61	146	866518	91.977	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	119088	103.382	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	895263	104.498	ug/l	95
94) Hexachlorobutadiene	15.85	225	651560	100.664	ug/l	99
95) Naphthalene	15.93	128	1445998	110.742	ug/l	100
96) 1,2,3-Trichlorobenzene	16.07	180	772378	105.340	ug/l	96

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

