

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030119\
 Data File : VD060911.D
 Acq On : 1 Mar 2019 16:08
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 5:33:05 AM

Quant Time: Mar 02 01:26:33 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	7.03	168	674091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1159647	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	971963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	448126	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	115700	23.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.18%	
35) Dibromofluoromethane	6.92	113	191439	22.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.16%	
50) Toluene-d8	10.40	98	497889	21.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.44%	
62) 4-Bromofluorobenzene	13.55	95	177471	19.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	165849	22.562	ug/l	99
3) Chloromethane	1.75	50	142929	31.628	ug/l	96
4) Vinyl Chloride	1.85	62	129757	30.895	ug/l	96
5) Bromomethane	2.14	94	17712	22.540	ug/l #	85
6) Chloroethane	2.25	64	23561	20.675	ug/l	98
7) Trichlorofluoromethane	2.52	101	139957	20.558	ug/l	95
8) Diethyl Ether	2.87	74	67890	57.990	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.15	101	191903	45.839	ug/l	91
10) Methyl Iodide	3.30	142	214677	17.960	ug/l	96
11) Tert butyl alcohol	4.06	59	41961	110.293	ug/l	100
12) 1,1-Dichloroethene	3.12	96	163277	52.206	ug/l	90
13) Acrolein	3.03	56	66656	316.005	ug/l	93
14) Allyl chloride	3.61	41	262708	25.729	ug/l	89
15) Acrylonitrile	4.19	53	165498	139.311	ug/l	96
16) Acetone	3.21	43	199065	130.957	ug/l #	90
17) Carbon Disulfide	3.37	76	585983	25.358	ug/l	100
18) Methyl Acetate	3.64	43	73946	23.446	ug/l	93
19) Methyl tert-butyl Ether	4.23	73	280452	21.391	ug/l	92
20) Methylene Chloride	3.81	84	210135	24.607	ug/l #	87
21) trans-1,2-Dichloroethene	4.21	96	175709	25.352	ug/l	97
22) Diisopropyl ether	5.10	45	555171	27.718	ug/l #	94
23) Vinyl Acetate	5.05	43	1519896	134.097	ug/l	99
24) 1,1-Dichloroethane	4.97	63	305392	27.911	ug/l	99
25) 2-Butanone	6.06	43	248957	124.091	ug/l	96
26) 2,2-Dichloropropane	6.01	77	231180	22.257	ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	207476	27.260	ug/l	96
28) Bromochloromethane	6.42	49	120702	28.042	ug/l	99
29) Tetrahydrofuran	6.44	42	123584	123.617	ug/l	95
30) Chloroform	6.65	83	295344	22.817	ug/l	100
31) Cyclohexane	6.94	56	264954	29.195	ug/l	84
32) 1,1,1-Trichloroethane	6.86	97	246991	24.511	ug/l	98
36) 1,1-Dichloropropene	7.13	75	227496	18.751	ug/l	92
37) Ethyl Acetate	6.17	43	122584	21.491	ug/l	98
38) Carbon Tetrachloride	7.10	117	233287	20.722	ug/l	100

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

39) Methylcyclohexane	8.86	83	246946	19.147	ug/l #	82
40) Benzene	7.44	78	600761	19.924	ug/l	98
41) Methacrylonitrile	6.43	41	72383m	23.490	ug/l	
42) 1,2-Dichloroethane	7.57	62	163871	19.983	ug/l	100
43) Isopropyl Acetate	9.23	43	161763	20.021	ug/l #	94
44) Trichloroethene	8.53	130	196336	19.968	ug/l	99
45) 1,2-Dichloropropane	8.92	63	159466	22.641	ug/l	97
46) Dibromomethane	9.05	93	99728	19.706	ug/l	92
47) Bromodichloromethane	9.37	83	212315	17.690	ug/l	96
48) Methyl methacrylate	9.11	41	94565	20.329	ug/l	92
49) 1,4-Dioxane	9.07	88	19178	393.562	ug/l #	88
51) 4-Methyl-2-Pentanone	10.29	43	497541	99.827	ug/l	91
52) Toluene	10.50	92	388567	22.250	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	205045	18.507	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	249295	19.530	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	127207	21.235	ug/l	93
56) Ethyl methacrylate	11.03	69	132406	19.423	ug/l	96
57) 1,3-Dichloropropane	11.40	76	171466	17.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	328746	100.654	ug/l	99
59) 2-Hexanone	11.52	43	354125	92.546	ug/l	96
60) Dibromochloromethane	11.67	129	182917	21.250	ug/l	99
61) 1,2-Dibromoethane	11.80	107	147975	21.821	ug/l	100
64) Tetrachloroethene	11.25	164	158674	18.271	ug/l	92
65) Chlorobenzene	12.39	112	476711	24.199	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	174015	22.198	ug/l	97
67) Ethyl Benzene	12.52	91	718978	21.443	ug/l	91
68) m/p-Xylenes	12.67	106	544823	45.972	ug/l	83
69) o-Xylene	13.04	106	263643	23.098	ug/l	83
70) Styrene	13.07	104	438695	22.868	ug/l	94
71) Bromoform	13.23	173	97116	15.578	ug/l	98
73) Isopropylbenzene	13.39	105	743599	28.358	ug/l	99
74) N-amyl acetate	13.26	43	199338	21.996	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	145416	22.517	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	149130	22.365	ug/l	99
77) Bromobenzene	13.66	156	182342	21.607	ug/l	98
78) n-propylbenzene	13.77	91	786045	22.466	ug/l	96
79) 2-Chlorotoluene	13.84	91	467857	23.380	ug/l	94
80) 1,3,5-Trimethylbenzene	14.23	105	546270	25.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	44358	20.879	ug/l	95
82) 4-Chlorotoluene	13.93	91	509034	23.186	ug/l	94
83) tert-Butylbenzene	14.18	119	611915	24.589	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	546270	25.349	ug/l	99
85) sec-Butylbenzene	14.36	105	744140	26.784	ug/l	91
86) p-Isopropyltoluene	14.49	119	575385	24.662	ug/l	95
87) 1,3-Dichlorobenzene	14.45	146	307727	19.937	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	327674	21.982	ug/l	98
89) n-Butylbenzene	14.79	91	562121	23.256	ug/l	96
90) Hexachloroethane	15.00	117	163275	24.663	ug/l	64
91) 1,2-Dichlorobenzene	14.80	146	288264	22.431	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17371	19.207	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	159650	17.554	ug/l	98
94) Hexachlorobutadiene	16.03	225	96146	17.620	ug/l	97
95) Naphthalene	16.12	128	253065	18.456	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	97918	14.000	ug/l	97

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

