

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012319\
 Data File : VD060785.D
 Acq On : 23 Jan 2019 16:37
 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
 1/24/2019 12:49:21 PM

Quant Time: Jan 24 06:03:07 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	6.79	168	641378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	821340	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.16	117	695774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	368694	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.22	65	166816	19.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.54%	
35) Dibromofluoromethane	6.67	113	153390	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	
50) Toluene-d8	10.18	98	376422	21.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.82%	
62) 4-Bromofluorobenzene	13.35	95	184971	22.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	126763	15.613	ug/l	90
3) Chloromethane	1.76	50	85372	20.075	ug/l	99
4) Vinyl Chloride	1.85	62	84813	17.612	ug/l	92
5) Bromomethane	2.13	94	20528m	14.564	ug/l	
6) Chloroethane	2.23	64	23162	13.419	ug/l #	86
7) Trichlorofluoromethane	2.48	101	148847	16.090	ug/l	98
8) Diethyl Ether	2.81	74	23110	21.123	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.06	101	76125	16.620	ug/l	94
10) Methyl Iodide	3.21	142	93763	19.014	ug/l	87
11) Tert butyl alcohol	3.93	59	40004	81.988	ug/l #	95
12) 1,1-Dichloroethene	3.04	96	54387	17.044	ug/l #	96
13) Acrolein	2.96	56	23949	131.424	ug/l #	76
14) Allyl chloride	3.49	41	131621	19.393	ug/l	97
15) Acrylonitrile	4.04	53	121223	106.775	ug/l	95
16) Acetone	3.13	43	115487	98.546	ug/l	95
17) Carbon Disulfide	3.28	76	195601	18.581	ug/l #	94
18) Methyl Acetate	3.52	43	47365	19.204	ug/l #	85
19) Methyl tert-butyl Ether	4.08	73	308707	20.421	ug/l	97
20) Methylene Chloride	3.68	84	125021	20.187	ug/l	95
21) trans-1,2-Dichloroethene	4.06	96	126673	20.816	ug/l	99
22) Diisopropyl ether	4.89	45	403474	19.360	ug/l	98
23) Vinyl Acetate	4.82	43	1180784	99.013	ug/l	98
24) 1,1-Dichloroethane	4.76	63	255891	20.327	ug/l	99
25) 2-Butanone	5.85	43	179821	97.834	ug/l	97
26) 2,2-Dichloropropane	5.79	77	241584	19.366	ug/l	100
27) cis-1,2-Dichloroethene	5.80	96	129378	20.574	ug/l	97
28) Bromochloromethane	6.19	49	104700	20.493	ug/l	91
29) Tetrahydrofuran	6.23	42	92944	104.969	ug/l	98
30) Chloroform	6.42	83	277795	18.883	ug/l	97
31) Cyclohexane	6.71	56	183202	19.759	ug/l	97
32) 1,1,1-Trichloroethane	6.64	97	253345	18.298	ug/l	96
36) 1,1-Dichloropropene	6.90	75	195967	20.736	ug/l	97
37) Ethyl Acetate	5.94	43	93393	23.778	ug/l	95
38) Carbon Tetrachloride	6.87	117	233192	20.021	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	170872	20.281	ug/l	98
40) Benzene	7.22	78	407542	21.150	ug/l	97
41) Methacrylonitrile	6.22	41	65358m	22.281	ug/l	
42) 1,2-Dichloroethane	7.33	62	211372	20.219	ug/l	95
43) Isopropyl Acetate	9.01	43	126202	20.919	ug/l	96
44) Trichloroethene	8.30	130	144989	21.211	ug/l	100
45) 1,2-Dichloropropane	8.70	63	108504	21.699	ug/l	92
46) Dibromomethane	8.83	93	82516	20.174	ug/l	97
47) Bromodichloromethane	9.15	83	228048	22.633	ug/l	96
48) Methyl methacrylate	8.89	41	77379	19.008	ug/l	88
49) 1,4-Dioxane	8.85	88	14234	414.195	ug/l	94
51) 4-Methyl-2-Pentanone	10.07	43	398882	100.514	ug/l	99
52) Toluene	10.29	92	263776	21.873	ug/l	97
53) t-1,3-Dichloropropene	10.69	75	184942	18.758	ug/l	99
54) cis-1,3-Dichloropropene	9.80	75	199884	21.342	ug/l	96
55) 1,1,2-Trichloroethane	10.97	97	86160	20.138	ug/l	93
56) Ethyl methacrylate	10.82	69	106342	21.418	ug/l	89
57) 1,3-Dichloropropane	11.19	76	145758	19.447	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.63	63	292978	104.439	ug/l	99
59) 2-Hexanone	11.32	43	311115	106.252	ug/l	98
60) Dibromochloromethane	11.47	129	138180	20.371	ug/l	98
61) 1,2-Dibromoethane	11.59	107	98360	20.271	ug/l	95
64) Tetrachloroethene	11.04	164	132212	21.695	ug/l	98
65) Chlorobenzene	12.19	112	306292	21.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.31	131	130265	20.985	ug/l	94
67) Ethyl Benzene	12.32	91	550362	21.177	ug/l	99
68) m/p-Xylenes	12.46	106	399289	46.882	ug/l	99
69) o-Xylene	12.85	106	182381	22.800	ug/l	97
70) Styrene	12.87	104	304204	21.593	ug/l	97
71) Bromoform	13.03	173	99166	21.642	ug/l #	96
73) Isopropylbenzene	13.20	105	543748	20.083	ug/l	99
74) N-amyl acetate	13.06	43	168117	19.601	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.50	83	97931	19.466	ug/l	97
76) 1,2,3-Trichloropropane	13.53	75	116427	19.042	ug/l	98
77) Bromobenzene	13.47	156	147837	20.189	ug/l	97
78) n-propylbenzene	13.58	91	685990	20.217	ug/l	98
79) 2-Chlorotoluene	13.63	91	384804	19.551	ug/l	97
80) 1,3,5-Trimethylbenzene	14.04	105	485698	20.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.27	75	32068	18.992	ug/l	93
82) 4-Chlorotoluene	13.74	91	493988	21.672	ug/l	98
83) tert-Butylbenzene	13.99	119	525631	22.047	ug/l	93
84) 1,2,4-Trimethylbenzene	14.04	105	485698	20.956	ug/l	99
85) sec-Butylbenzene	14.17	105	590246	20.326	ug/l	100
86) p-Isopropyltoluene	14.29	119	502286	21.022	ug/l	97
87) 1,3-Dichlorobenzene	14.25	146	263003	21.611	ug/l	98
88) 1,4-Dichlorobenzene	14.34	146	257032	20.632	ug/l	95
89) n-Butylbenzene	14.60	91	511572	22.773	ug/l	99
90) Hexachloroethane	14.81	117	131857	18.782	ug/l	98
91) 1,2-Dichlorobenzene	14.61	146	220441	21.909	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.18	75	23570	19.159	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	194610	21.269	ug/l	98
94) Hexachlorobutadiene	15.84	225	147978	21.407	ug/l	97
95) Naphthalene	15.93	128	289467	20.757	ug/l	99
96) 1,2,3-Trichlorobenzene	16.08	180	170139	21.727	ug/l	97

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

