

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060802.D
 Acq On : 30 Jan 2019 13:35
 Operator : VA/AP
 Sample : VD0130SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/1/2019 3:55:42 PM

Quant Time: Jan 31 06:39:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.81	168	514305	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.00	114	757465	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.17	117	604003	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.33	152	311478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.23	65	441860	56.04	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.08%	
35) Dibromofluoromethane	6.70	113	357311	49.19	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.20	98	824511	48.60	ug/l	0.01
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	13.36	95	408238	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	119865	19.169	ug/l	95
3) Chloromethane	1.76	50	77585	20.723	ug/l	90
4) Vinyl Chloride	1.86	62	80458	20.246	ug/l	94
5) Bromomethane	2.15	94	25259	20.121	ug/l	89
6) Chloroethane	2.25	64	27562	17.385	ug/l	100
7) Trichlorofluoromethane	2.49	101	162883	20.822	ug/l	94
8) Diethyl Ether	2.82	74	22458	19.483	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.07	101	91249	23.017	ug/l	98
10) Methyl Iodide	3.23	142	92263	22.229	ug/l	96
11) Tert butyl alcohol	3.95	59	39247	104.158	ug/l	96
12) 1,1-Dichloroethene	3.06	96	65302	24.104	ug/l	98
13) Acrolein	2.98	56	18618	131.073	ug/l	94
14) Allyl chloride	3.52	41	140635	22.307	ug/l	99
15) Acrylonitrile	4.06	53	89658	106.195	ug/l	97
16) Acetone	3.15	43	122128	107.241	ug/l	97
17) Carbon Disulfide	3.30	76	209698	21.852	ug/l	99
18) Methyl Acetate	3.54	43	42195	18.690	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	258710	20.917	ug/l	98
20) Methylene Chloride	3.69	84	112612	19.656	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	104759	21.935	ug/l	90
22) Diisopropyl ether	4.91	45	328065	20.193	ug/l	96
23) Vinyl Acetate	4.86	43	994532	106.302	ug/l	99
24) 1,1-Dichloroethane	4.79	63	223680	21.031	ug/l	98
25) 2-Butanone	5.86	43	143946	98.753	ug/l	98
26) 2,2-Dichloropropane	5.82	77	238413	21.275	ug/l	96
27) cis-1,2-Dichloroethene	5.82	96	106810	19.637	ug/l	97
28) Bromochloromethane	6.22	49	85619	20.636	ug/l	92
29) Tetrahydrofuran	6.25	42	69452	99.219	ug/l	97
30) Chloroform	6.44	83	261955	20.839	ug/l	94
31) Cyclohexane	6.75	56	137821	19.046	ug/l	95
32) 1,1,1-Trichloroethane	6.65	97	251125	20.745	ug/l	97
36) 1,1-Dichloropropene	6.93	75	174696	19.316	ug/l	95
37) Ethyl Acetate	5.96	43	71421	17.691	ug/l #	93
38) Carbon Tetrachloride	6.89	117	227188	20.033	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.66	83	143389	18.932	ug/l	97
40) Benzene	7.24	78	347660	19.477	ug/l	97
41) Methacrylonitrile	6.23	41	39398m	15.366	ug/l	
42) 1,2-Dichloroethane	7.36	62	194218	18.730	ug/l	93
43) Isopropyl Acetate	9.02	43	93150	17.690	ug/l	96
44) Trichloroethene	8.32	130	121174	20.025	ug/l	95
45) 1,2-Dichloropropane	8.72	63	90753	18.782	ug/l	95
46) Dibromomethane	8.85	93	69422	18.508	ug/l	97
47) Bromodichloromethane	9.16	83	193205	19.083	ug/l	100
48) Methyl methacrylate	8.90	41	66592	18.340	ug/l	94
49) 1,4-Dioxane	8.89	88	12071	403.714	ug/l #	91
51) 4-Methyl-2-Pentanone	10.09	43	334764	98.174	ug/l	100
52) Toluene	10.30	92	226888	20.039	ug/l	95
53) t-1,3-Dichloropropene	10.70	75	176032	19.766	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	179762	19.683	ug/l	97
55) 1,1,2-Trichloroethane	10.99	97	72004	18.652	ug/l	98
56) Ethyl methacrylate	10.84	69	88461	18.916	ug/l	95
57) 1,3-Dichloropropane	11.21	76	128724	19.511	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.64	63	239372	97.556	ug/l	94
59) 2-Hexanone	11.33	43	247552	96.552	ug/l	96
60) Dibromochloromethane	11.48	129	134837	19.429	ug/l	99
61) 1,2-Dibromoethane	11.61	107	82742	18.200	ug/l	97
64) Tetrachloroethene	11.06	164	109648	19.780	ug/l	94
65) Chlorobenzene	12.20	112	267360	19.370	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.32	131	123085	20.756	ug/l	98
67) Ethyl Benzene	12.33	91	544371	21.933	ug/l	98
68) m/p-Xylenes	12.47	106	332898	41.225	ug/l	96
69) o-Xylene	12.86	106	155166	19.415	ug/l	95
70) Styrene	12.88	104	251316	18.752	ug/l	98
71) Bromoform	13.05	173	81933	18.338	ug/l	99
73) Isopropylbenzene	13.21	105	490861	19.765	ug/l	98
74) N-amyl acetate	13.08	43	145491	19.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.51	83	81599	18.045	ug/l	90
76) 1,2,3-Trichloropropane	13.54	75	106061	18.569	ug/l	94
77) Bromobenzene	13.48	156	122505	19.190	ug/l	96
78) n-propylbenzene	13.58	91	591182	18.963	ug/l	98
79) 2-Chlorotoluene	13.65	91	401482	21.114	ug/l	93
80) 1,3,5-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.28	75	26313	17.670	ug/l #	92
82) 4-Chlorotoluene	13.75	91	452911	21.431	ug/l	93
83) tert-Butylbenzene	14.00	119	442397	19.778	ug/l	96
84) 1,2,4-Trimethylbenzene	14.05	105	428110	20.024	ug/l	96
85) sec-Butylbenzene	14.18	105	522727	20.530	ug/l	97
86) p-Isopropyltoluene	14.30	119	467380	22.609	ug/l	98
87) 1,3-Dichlorobenzene	14.27	146	232407	20.354	ug/l	95
88) 1,4-Dichlorobenzene	14.35	146	215863	19.457	ug/l	96
89) n-Butylbenzene	14.61	91	461720	21.407	ug/l	98
90) Hexachloroethane	14.82	117	119788	19.473	ug/l	80
91) 1,2-Dichlorobenzene	14.62	146	197759	20.866	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.19	75	20779	19.342	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	167553	20.417	ug/l	99
94) Hexachlorobutadiene	15.85	225	132770	21.563	ug/l	99
95) Naphthalene	15.94	128	240653	19.086	ug/l	99
96) 1,2,3-Trichlorobenzene	16.09	180	142735	20.002	ug/l	97

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

