

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050819\
 Data File : VD062167.D
 Acq On : 8 May 2019 12:03
 Operator : FY/SY
 Sample : VD0508SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0508SBS01

Quant Time: May 09 01:23:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	856332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1207619	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1026975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	502377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.43	65	436399	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
35) Dibromofluoromethane	6.90	113	544398	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	10.39	98	1276550	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	13.54	95	528567	54.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	161051	19.664	ug/l	100
3) Chloromethane	1.73	50	107217	18.117	ug/l	98
4) Vinyl Chloride	1.83	62	102273	17.585	ug/l	98
5) Bromomethane	2.13	94	34041	24.979	ug/l	90
6) Chloroethane	2.23	64	36241	14.850	ug/l	97
7) Trichlorofluoromethane	2.50	101	202358	17.896	ug/l	97
8) Diethyl Ether	2.85	74	41609	19.080	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.13	101	155393	18.167	ug/l	96
10) Methyl Iodide	3.28	142	187992	14.542	ug/l	90
11) Tert butyl alcohol	4.04	59	40369	99.379	ug/l #	93
12) 1,1-Dichloroethene	3.11	96	111925	17.142	ug/l	97
13) Acrolein	3.01	56	46161	109.868	ug/l	95
14) Allyl chloride	3.59	41	164539	17.331	ug/l	87
15) Acrylonitrile	4.17	53	105469	98.780	ug/l	92
16) Acetone	3.21	43	166321	99.660	ug/l #	88
17) Carbon Disulfide	3.35	76	300571	16.002	ug/l	100
18) Methyl Acetate	3.62	43	53138	17.606	ug/l	93
19) Methyl tert-butyl Ether	4.21	73	267082	19.084	ug/l	97
20) Methylene Chloride	3.79	84	174736	25.076	ug/l	91
21) trans-1,2-Dichloroethene	4.19	96	130522	17.964	ug/l	94
22) Diisopropyl ether	5.09	45	391449	19.376	ug/l	97
23) Vinyl Acetate	5.03	43	1124408	105.489	ug/l	96
24) 1,1-Dichloroethane	4.95	63	234750	19.262	ug/l	99
25) 2-Butanone	6.04	43	189368	104.029	ug/l	97
26) 2,2-Dichloropropane	5.99	77	243294	20.041	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	155760	19.152	ug/l	93
28) Bromochloromethane	6.41	49	102166	21.307	ug/l	88
29) Tetrahydrofuran	6.42	42	84677	100.957	ug/l	94
30) Chloroform	6.64	83	300898	20.486	ug/l	97
31) Cyclohexane	6.93	56	153796	18.420	ug/l	96
32) 1,1,1-Trichloroethane	6.84	97	280143	20.179	ug/l	96
36) 1,1-Dichloropropene	7.11	75	196171	19.813	ug/l	94
37) Ethyl Acetate	6.15	43	88370	21.045	ug/l	95
38) Carbon Tetrachloride	7.08	117	263563	19.232	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	181562	19.139	ug/l	99
40) Benzene	7.43	78	446794	19.983	ug/l	98
41) Methacrylonitrile	6.42	41	105145	20.491	ug/l #	88
42) 1,2-Dichloroethane	7.55	62	181173	19.125	ug/l	93
43) Isopropyl Acetate	9.21	43	125544	21.082	ug/l	98
44) Trichloroethene	8.51	130	168151	19.737	ug/l	84
45) 1,2-Dichloropropane	8.91	63	112662	20.372	ug/l	96
46) Dibromomethane	9.04	93	92535	20.576	ug/l	91
47) Bromodichloromethane	9.36	83	224476	20.406	ug/l	97
48) Methyl methacrylate	9.10	41	89339	24.355	ug/l	88
49) 1,4-Dioxane	9.05	88	16092	406.596	ug/l #	85
51) 4-Methyl-2-Pentanone	10.28	43	422415	110.348	ug/l	96
52) Toluene	10.49	92	297643	20.460	ug/l	97
53) t-1,3-Dichloropropene	10.89	75	188631	19.840	ug/l	96
54) cis-1,3-Dichloropropene	10.02	75	220148	21.226	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	114076	22.163	ug/l	99
56) Ethyl methacrylate	11.02	69	109397	20.453	ug/l	90
57) 1,3-Dichloropropane	11.38	76	155289	19.970	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	313321	107.242	ug/l	100
59) 2-Hexanone	11.51	43	300153	106.385	ug/l	93
60) Dibromochloromethane	11.67	129	181700	20.426	ug/l	98
61) 1,2-Dibromoethane	11.79	107	130588	20.868	ug/l	96
64) Tetrachloroethene	11.24	164	153815	19.154	ug/l	95
65) Chlorobenzene	12.38	112	384574	20.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	160577	19.289	ug/l	98
67) Ethyl Benzene	12.51	91	643484	20.095	ug/l	98
68) m/p-Xylenes	12.65	106	475742	40.834	ug/l	95
69) o-Xylene	13.04	106	228078	21.057	ug/l	93
70) Styrene	13.06	104	375170	20.447	ug/l	96
71) Bromoform	13.22	173	112464	19.418	ug/l #	96
73) Isopropylbenzene	13.39	105	606344	20.135	ug/l	98
74) N-amyl acetate	13.25	43	178866	22.655	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	126603	22.207	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	132660	22.220	ug/l	99
77) Bromobenzene	13.66	156	179985	21.350	ug/l	95
78) n-propylbenzene	13.77	91	810018	22.549	ug/l	98
79) 2-Chlorotoluene	13.82	91	444851	21.622	ug/l	88
80) 1,3,5-Trimethylbenzene	13.92	105	496438	19.577	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.46	75	34669	20.569	ug/l #	82
82) 4-Chlorotoluene	13.93	91	501133	20.699	ug/l	87
83) tert-Butylbenzene	14.18	119	627997	22.033	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	517125	20.321	ug/l	94
85) sec-Butylbenzene	14.36	105	684328	21.898	ug/l	99
86) p-Isopropyltoluene	14.47	119	580142	20.778	ug/l	90
87) 1,3-Dichlorobenzene	14.44	146	339605	22.053	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	312523	20.654	ug/l	98
89) n-Butylbenzene	14.79	91	535467	21.367	ug/l	95
90) Hexachloroethane	15.00	117	172493	22.718	ug/l	90
91) 1,2-Dichlorobenzene	14.80	146	263193	20.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	18596	19.871	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	200363	21.705	ug/l	97
94) Hexachlorobutadiene	16.03	225	142980	20.825	ug/l	99
95) Naphthalene	16.11	128	238591	18.513	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	133967	23.082	ug/l	96

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

