

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061535.D
 Acq On : 3 Apr 2019 3:39
 Operator : VA/AP
 Sample : VD0402SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS03

Quant Time: Apr 03 04:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	548360	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	960776	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	837313	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	378637	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	279361	59.64	ug/l	0.03
Spiked Amount	50.000		Recovery	=	119.28%	
35) Dibromofluoromethane	6.94	113	423615	57.70	ug/l	0.04
Spiked Amount	50.000		Recovery	=	115.40%	
50) Toluene-d8	10.42	98	941495	53.46	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.92%	
62) 4-Bromofluorobenzene	13.56	95	403968	59.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	119.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	128367	21.920	ug/l	92
3) Chloromethane	1.77	50	100447	21.031	ug/l	98
4) Vinyl Chloride	1.86	62	89908	20.502	ug/l	94
5) Bromomethane	2.17	94	16790	19.308	ug/l	98
6) Chloroethane	2.28	64	25148	19.555	ug/l	94
7) Trichlorofluoromethane	2.54	101	132641	20.800	ug/l	95
8) Diethyl Ether	2.90	74	43021	20.954	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	157274	22.941	ug/l	92
10) Methyl Iodide	3.32	142	173977	19.002	ug/l	97
11) Tert butyl alcohol	4.09	59	32370	110.961	ug/l	100
12) 1,1-Dichloroethene	3.14	96	131914	22.412	ug/l	95
13) Acrolein	3.05	56	17101	59.476	ug/l	95
14) Allyl chloride	3.64	41	185708	22.621	ug/l	96
15) Acrylonitrile	4.21	53	120552	119.062	ug/l	97
16) Acetone	3.24	43	117338	97.442	ug/l	95
17) Carbon Disulfide	3.39	76	378857	19.811	ug/l	99
18) Methyl Acetate	3.65	43	62319	24.614	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	228006	22.379	ug/l	98
20) Methylene Chloride	3.83	84	173163	24.698	ug/l	100
21) trans-1,2-Dichloroethene	4.24	96	142949	22.495	ug/l	96
22) Diisopropyl ether	5.14	45	399820	23.015	ug/l	99
23) Vinyl Acetate	5.07	43	1048247	111.083	ug/l	96
24) 1,1-Dichloroethane	5.00	63	236940	23.207	ug/l	98
25) 2-Butanone	6.09	43	163897	108.201	ug/l	100
26) 2,2-Dichloropropane	6.05	77	177879	21.917	ug/l	100
27) cis-1,2-Dichloroethene	6.06	96	167970	24.125	ug/l	98
28) Bromochloromethane	6.45	49	95715	23.224	ug/l #	99
29) Tetrahydrofuran	6.48	42	80569	109.738	ug/l	99
30) Chloroform	6.69	83	266823	25.293	ug/l	95
31) Cyclohexane	6.97	56	177479	21.998	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	227987	24.497	ug/l	97
36) 1,1-Dichloropropene	7.16	75	191666	22.857	ug/l	98
37) Ethyl Acetate	6.19	43	80679	22.497	ug/l	98
38) Carbon Tetrachloride	7.13	117	218909	22.719	ug/l	94

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

39) Methylcyclohexane	8.87	83	184379	21.112	ug/l	100
40) Benzene	7.46	78	472646	22.459	ug/l	96
41) Methacrylonitrile	6.45	41	92531	22.067	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	148841	23.644	ug/l	96
43) Isopropyl Acetate	9.25	43	120013	23.000	ug/l	96
44) Trichloroethene	8.56	130	168713	21.542	ug/l	100
45) 1,2-Dichloropropane	8.95	63	129070	24.187	ug/l	100
46) Dibromomethane	9.08	93	83565	23.265	ug/l	98
47) Bromodichloromethane	9.38	83	195566	24.259	ug/l	96
48) Methyl methacrylate	9.13	41	70550	24.499	ug/l	97
49) 1,4-Dioxane	9.09	88	15826	498.255	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	361079	113.742	ug/l	99
52) Toluene	10.52	92	309040	24.070	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	163961	22.386	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	205716	23.066	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	97409	21.694	ug/l	100
56) Ethyl methacrylate	11.05	69	113419	23.513	ug/l	92
57) 1,3-Dichloropropane	11.41	76	154614	23.428	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	298661	127.141	ug/l	98
59) 2-Hexanone	11.54	43	251478	109.336	ug/l	99
60) Dibromochloromethane	11.70	129	162434	23.466	ug/l	96
61) 1,2-Dibromoethane	11.82	107	125562	24.150	ug/l	95
64) Tetrachloroethene	11.26	164	134730	20.502	ug/l	96
65) Chlorobenzene	12.41	112	352858	20.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	150019	22.643	ug/l	99
67) Ethyl Benzene	12.52	91	601126	23.015	ug/l	98
68) m/p-Xylenes	12.67	106	420846	42.535	ug/l	93
69) o-Xylene	13.06	106	217972	22.702	ug/l	95
70) Styrene	13.08	104	368747	22.032	ug/l	96
71) Bromoform	13.24	173	85638	20.390	ug/l #	98
73) Isopropylbenzene	13.41	105	562005	21.326	ug/l	100
74) N-amyl acetate	13.27	43	156194	21.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	112836	20.297	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	108088	19.762	ug/l	99
77) Bromobenzene	13.68	156	165389	21.170	ug/l	85
78) n-propylbenzene	13.77	91	638517	19.799	ug/l	95
79) 2-Chlorotoluene	13.84	91	393160	22.452	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	486920	23.814	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	33564	20.126	ug/l	91
82) 4-Chlorotoluene	13.95	91	465023	24.423	ug/l	93
83) tert-Butylbenzene	14.20	119	518553	20.293	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	478911	21.635	ug/l	98
85) sec-Butylbenzene	14.38	105	618066	22.768	ug/l	96
86) p-Isopropyltoluene	14.49	119	514593	22.418	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	283318	21.415	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	264677	20.515	ug/l	98
89) n-Butylbenzene	14.80	91	433870	20.593	ug/l	98
90) Hexachloroethane	15.02	117	129274	19.935	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	236225	21.769	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13442	20.617	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	112871	22.833	ug/l	99
94) Hexachlorobutadiene	16.04	225	86202	22.316	ug/l	99
95) Naphthalene	16.13	128	181503	24.088	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	54855	25.218	ug/l	94

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

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