

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061517.D
 Acq On : 2 Apr 2019 16:34
 Operator : VA/AP
 Sample : VD0402SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS02

Quant Time: Apr 03 01:52:16 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	7.04	168	692225	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	1184432	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.36	117	945001	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	464362	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	284612	48.13	ug/l	0.01
Spiked Amount			Recovery	=	96.26%	
35) Dibromofluoromethane	6.91	113	423731	46.81	ug/l	0.01
Spiked Amount			Recovery	=	93.62%	
50) Toluene-d8	10.39	98	975520	44.94	ug/l	0.01
Spiked Amount			Recovery	=	89.88%	
62) 4-Bromofluorobenzene	13.55	95	375820	45.14	ug/l	0.00
Spiked Amount			Recovery	=	90.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	155815	21.077	ug/l	100
3) Chloromethane	1.76	50	123953	20.559	ug/l	91
4) Vinyl Chloride	1.86	62	111617	20.163	ug/l	97
5) Bromomethane	2.16	94	19823	18.058	ug/l	95
6) Chloroethane	2.26	64	23424	14.429	ug/l	98
7) Trichlorofluoromethane	2.53	101	155214	19.282	ug/l	99
8) Diethyl Ether	2.87	74	53255	20.548	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	180118	20.813	ug/l	97
10) Methyl Iodide	3.31	142	225767	19.437	ug/l	98
11) Tert butyl alcohol	4.07	59	41979	113.993	ug/l	98
12) 1,1-Dichloroethene	3.13	96	150288	20.227	ug/l	95
13) Acrolein	3.04	56	29243	89.513	ug/l	93
14) Allyl chloride	3.62	41	223728	21.588	ug/l	99
15) Acrylonitrile	4.19	53	148147	115.907	ug/l	93
16) Acetone	3.22	43	173184	113.929	ug/l	97
17) Carbon Disulfide	3.38	76	461626	19.122	ug/l	99
18) Methyl Acetate	3.64	43	74584	23.336	ug/l	100
19) Methyl tert-butyl Ether	4.23	73	296084	23.021	ug/l	97
20) Methylene Chloride	3.81	84	199959	22.423	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	183184	22.836	ug/l	99
22) Diisopropyl ether	5.12	45	493773	22.516	ug/l	100
23) Vinyl Acetate	5.05	43	1340409	112.522	ug/l	99
24) 1,1-Dichloroethane	4.97	63	273295	21.205	ug/l	100
25) 2-Butanone	6.06	43	207749	108.647	ug/l	100
26) 2,2-Dichloropropane	6.01	77	225463	22.006	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	192311	21.881	ug/l	99
28) Bromochloromethane	6.43	49	102883	19.776	ug/l #	95
29) Tetrahydrofuran	6.45	42	103200	111.350	ug/l	99
30) Chloroform	6.65	83	283155	21.263	ug/l	100
31) Cyclohexane	6.95	56	213375	20.950	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	255331	21.733	ug/l	97
36) 1,1-Dichloropropene	7.14	75	219636	21.247	ug/l	98
37) Ethyl Acetate	6.17	43	92119	20.836	ug/l	95
38) Carbon Tetrachloride	7.11	117	243294	20.482	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	228460	21.220	ug/l	97
40) Benzene	7.44	78	572018	22.048	ug/l	98
41) Methacrylonitrile	6.43	41	114540	22.158	ug/l #	90
42) 1,2-Dichloroethane	7.57	62	167111	21.533	ug/l	100
43) Isopropyl Acetate	9.23	43	135807	21.112	ug/l	98
44) Trichloroethene	8.53	130	198695	20.579	ug/l	97
45) 1,2-Dichloropropane	8.93	63	132270	20.106	ug/l	99
46) Dibromomethane	9.06	93	95845	21.646	ug/l	98
47) Bromodichloromethane	9.36	83	222683	22.407	ug/l	99
48) Methyl methacrylate	9.11	41	81372	22.921	ug/l	98
49) 1,4-Dioxane	9.07	88	17317	442.247	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	425959	108.843	ug/l	99
52) Toluene	10.49	92	363993	22.997	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	187294	20.743	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	226622	20.612	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	120471	21.764	ug/l	96
56) Ethyl methacrylate	11.03	69	123092	20.700	ug/l	99
57) 1,3-Dichloropropane	11.39	76	175735	21.600	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.84	63	349534	120.700	ug/l	98
59) 2-Hexanone	11.52	43	342456	120.776	ug/l	99
60) Dibromochloromethane	11.67	129	196345	23.009	ug/l	98
61) 1,2-Dibromoethane	11.79	107	138700	21.639	ug/l	99
64) Tetrachloroethene	11.24	164	160262	21.609	ug/l	97
65) Chlorobenzene	12.39	112	452719	23.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	164232	21.963	ug/l	97
67) Ethyl Benzene	12.51	91	671296	22.773	ug/l	98
68) m/p-Xylenes	12.66	106	517247	46.321	ug/l	98
69) o-Xylene	13.04	106	243433	22.465	ug/l	99
70) Styrene	13.06	104	395581	20.942	ug/l	97
71) Bromoform	13.23	173	101436	21.399	ug/l	98
73) Isopropylbenzene	13.40	105	676070	20.919	ug/l	100
74) N-amyl acetate	13.26	43	193761	21.521	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	129488	18.993	ug/l	92
76) 1,2,3-Trichloropropane	13.72	75	134584	20.064	ug/l	100
77) Bromobenzene	13.66	156	169711	17.713	ug/l	86
78) n-propylbenzene	13.76	91	809357	20.464	ug/l	94
79) 2-Chlorotoluene	13.83	91	437470	20.371	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	564684	22.519	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	38082	18.620	ug/l	95
82) 4-Chlorotoluene	13.94	91	528965	22.653	ug/l	92
83) tert-Butylbenzene	14.18	119	574098	18.320	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	566338	20.861	ug/l	99
85) sec-Butylbenzene	14.36	105	705396	21.188	ug/l	97
86) p-Isopropyltoluene	14.48	119	640515	22.753	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	349772	21.558	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	358705	22.671	ug/l	95
89) n-Butylbenzene	14.80	91	582227	22.533	ug/l	98
90) Hexachloroethane	15.00	117	159154	20.012	ug/l	82
91) 1,2-Dichlorobenzene	14.81	146	291543	21.907	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	16470	20.597	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	135157	22.294	ug/l	96
94) Hexachlorobutadiene	16.04	225	100269	21.166	ug/l	98
95) Naphthalene	16.11	128	215822	23.355	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	62540	23.443	ug/l	97

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

