

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061514.D
 Acq On : 2 Apr 2019 15:11
 Operator : VA/AP
 Sample : VD0402SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0402SBS01

Quant Time: Apr 03 01:50:30 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	694281	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.21	114	1062987	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	924709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	413705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	331063	55.82	ug/l	0.02
Spiked Amount			Recovery	=	111.64%	
35) Dibromofluoromethane	6.92	113	488919	60.19	ug/l	0.03
Spiked Amount			Recovery	=	120.38%	
50) Toluene-d8	10.40	98	1230161	63.14	ug/l	0.02
Spiked Amount			Recovery	=	126.28%	
62) 4-Bromofluorobenzene	13.55	95	463268	62.01	ug/l	0.00
Spiked Amount			Recovery	=	124.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	164366	22.168	ug/l	100
3) Chloromethane	1.77	50	128482	21.247	ug/l	95
4) Vinyl Chloride	1.86	62	125954	22.685	ug/l	98
5) Bromomethane	2.16	94	20282	18.422	ug/l	98
6) Chloroethane	2.27	64	28785	17.679	ug/l	95
7) Trichlorofluoromethane	2.53	101	186972	23.158	ug/l	96
8) Diethyl Ether	2.88	74	55001	21.158	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.15	101	201118	23.171	ug/l	97
10) Methyl Iodide	3.31	142	213869	18.550	ug/l	96
11) Tert butyl alcohol	4.07	59	40707	110.212	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	171031	22.951	ug/l	94
13) Acrolein	3.05	56	27598	82.738	ug/l	99
14) Allyl chloride	3.62	41	227358	21.874	ug/l	97
15) Acrylonitrile	4.20	53	149054	116.271	ug/l	95
16) Acetone	3.22	43	178078	116.802	ug/l	96
17) Carbon Disulfide	3.38	76	521681	21.546	ug/l	99
18) Methyl Acetate	3.65	43	73029	22.782	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	300428	23.289	ug/l	98
20) Methylene Chloride	3.81	84	203105	22.733	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	184847	22.975	ug/l	97
22) Diisopropyl ether	5.11	45	504727	22.947	ug/l	96
23) Vinyl Acetate	5.05	43	1286223	107.654	ug/l	97
24) 1,1-Dichloroethane	4.99	63	286033	22.128	ug/l	98
25) 2-Butanone	6.07	43	218076	113.710	ug/l	97
26) 2,2-Dichloropropane	6.02	77	225983	21.992	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	186190	21.122	ug/l	94
28) Bromochloromethane	6.43	49	112033	21.470	ug/l #	99
29) Tetrahydrofuran	6.45	42	111096	119.514	ug/l	99
30) Chloroform	6.66	83	313199	23.449	ug/l	97
31) Cyclohexane	6.94	56	239621	23.458	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	258225	21.914	ug/l	96
36) 1,1-Dichloropropene	7.14	75	241273	26.006	ug/l	97
37) Ethyl Acetate	6.18	43	101405	25.557	ug/l	98
38) Carbon Tetrachloride	7.10	117	273305	25.637	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	248100	25.677	ug/l	98
40) Benzene	7.45	78	568523	24.417	ug/l	98
41) Methacrylonitrile	6.44	41	119925	25.850	ug/l	98
42) 1,2-Dichloroethane	7.56	62	182046	26.138	ug/l	98
43) Isopropyl Acetate	9.23	43	145809	25.257	ug/l	97
44) Trichloroethene	8.53	130	217698	25.124	ug/l	99
45) 1,2-Dichloropropane	8.93	63	145876	24.707	ug/l	96
46) Dibromomethane	9.05	93	96092	24.181	ug/l	94
47) Bromodichloromethane	9.37	83	216656	24.291	ug/l	96
48) Methyl methacrylate	9.11	41	83612	26.243	ug/l	98
49) 1,4-Dioxane	9.07	88	18601	529.311	ug/l	97
51) 4-Methyl-2-Pentanone	10.29	43	449645	128.022	ug/l	99
52) Toluene	10.50	92	358908	25.266	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	206164	25.441	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	248626	25.197	ug/l	100
55) 1,1,2-Trichloroethane	11.18	97	127309	25.627	ug/l	96
56) Ethyl methacrylate	11.03	69	119759	22.440	ug/l	96
57) 1,3-Dichloropropane	11.39	76	190418	26.078	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	311250	119.759	ug/l	98
59) 2-Hexanone	11.52	43	335985	132.031	ug/l	100
60) Dibromochloromethane	11.68	129	200988	26.244	ug/l	96
61) 1,2-Dibromoethane	11.80	107	147469	25.636	ug/l	99
64) Tetrachloroethene	11.25	164	166511	22.944	ug/l	99
65) Chlorobenzene	12.39	112	434282	22.980	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	177358	24.239	ug/l	98
67) Ethyl Benzene	12.52	91	727506	25.221	ug/l	98
68) m/p-Xylenes	12.66	106	558721	51.134	ug/l	98
69) o-Xylene	13.04	106	271705	25.624	ug/l	99
70) Styrene	13.07	104	461601	24.973	ug/l	98
71) Bromoform	13.23	173	105877	22.826	ug/l	95
73) Isopropylbenzene	13.39	105	685736	23.816	ug/l	97
74) N-amyl acetate	13.25	43	198617	24.762	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	133515	21.981	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	134069	22.434	ug/l	99
77) Bromobenzene	13.66	156	197683	23.159	ug/l	99
78) n-propylbenzene	13.77	91	838543	23.798	ug/l	98
79) 2-Chlorotoluene	13.84	91	476027	24.880	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	569789	25.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	42397	23.268	ug/l	91
82) 4-Chlorotoluene	13.94	91	547059	26.297	ug/l	98
83) tert-Butylbenzene	14.18	119	656182	23.503	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	612524	25.325	ug/l	99
85) sec-Butylbenzene	14.36	105	683437	23.042	ug/l	100
86) p-Isopropyltoluene	14.49	119	646291	25.769	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	346893	23.998	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	327446	23.229	ug/l	98
89) n-Butylbenzene	14.79	91	551110	23.941	ug/l	98
90) Hexachloroethane	15.00	117	166794	23.540	ug/l	68
91) 1,2-Dichlorobenzene	14.80	146	282056	23.789	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	17928	25.166	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	142444	26.373	ug/l	97
94) Hexachlorobutadiene	16.03	225	97563	23.116	ug/l	97
95) Naphthalene	16.12	128	191518	23.263	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	64455	27.119	ug/l	99

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

