

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061491.D
 Acq On : 2 Apr 2019 3:31
 Operator : VA/AP
 Sample : VD0401SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0401SBS02

Quant Time: Apr 02 06:28:02 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	541411	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	955585	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	751108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	366532	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	281013	60.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.52%	
35) Dibromofluoromethane	6.91	113	410241	56.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.36%	
50) Toluene-d8	10.39	98	915023	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	13.54	95	363760	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	124981	21.615	ug/l	98
3) Chloromethane	1.76	50	108517	23.012	ug/l	94
4) Vinyl Chloride	1.86	62	94706	21.873	ug/l	96
5) Bromomethane	2.15	94	19289	22.466	ug/l #	96
6) Chloroethane	2.26	64	25408	20.011	ug/l	91
7) Trichlorofluoromethane	2.53	101	147589	23.442	ug/l	98
8) Diethyl Ether	2.87	74	45445	22.419	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	144176	21.300	ug/l	94
10) Methyl Iodide	3.31	142	181940	19.921	ug/l	95
11) Tert butyl alcohol	4.04	59	29472	102.324	ug/l	96
12) 1,1-Dichloroethene	3.13	96	125928	21.670	ug/l	97
13) Acrolein	3.04	56	20576	77.996	ug/l	97
14) Allyl chloride	3.62	41	172785	21.317	ug/l	99
15) Acrylonitrile	4.18	53	117250	117.287	ug/l	98
16) Acetone	3.22	43	120074	100.994	ug/l	95
17) Carbon Disulfide	3.37	76	392242	20.774	ug/l	98
18) Methyl Acetate	3.63	43	63314	25.328	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	238654	23.724	ug/l	98
20) Methylene Chloride	3.81	84	167052	24.087	ug/l	99
21) trans-1,2-Dichloroethene	4.21	96	142917	22.779	ug/l	99
22) Diisopropyl ether	5.10	45	406128	23.678	ug/l	91
23) Vinyl Acetate	5.04	43	1063071	114.099	ug/l	99
24) 1,1-Dichloroethane	4.98	63	225921	22.412	ug/l	98
25) 2-Butanone	6.05	43	174656	116.783	ug/l	97
26) 2,2-Dichloropropane	6.01	77	170073	21.224	ug/l	96
27) cis-1,2-Dichloroethene	6.02	96	157814	22.958	ug/l	96
28) Bromochloromethane	6.43	49	96792	23.787	ug/l	97
29) Tetrahydrofuran	6.44	42	88597	122.222	ug/l	100
30) Chloroform	6.65	83	246444	23.661	ug/l	96
31) Cyclohexane	6.94	56	176618	22.172	ug/l	98
32) 1,1,1-Trichloroethane	6.85	97	203436	22.139	ug/l	99
36) 1,1-Dichloropropene	7.13	75	170914	20.493	ug/l	100
37) Ethyl Acetate	6.16	43	83645	23.451	ug/l	96
38) Carbon Tetrachloride	7.10	117	210095	21.922	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	175191	20.169	ug/l	93
40) Benzene	7.44	78	466511	22.288	ug/l	97
41) Methacrylonitrile	6.43	41	100297	24.049	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	156364	24.974	ug/l	99
43) Isopropyl Acetate	9.22	43	108119	20.833	ug/l	93
44) Trichloroethene	8.52	130	152254	19.546	ug/l	100
45) 1,2-Dichloropropane	8.93	63	115697	21.798	ug/l	99
46) Dibromomethane	9.04	93	87174	24.402	ug/l	91
47) Bromodichloromethane	9.36	83	191190	23.845	ug/l	96
48) Methyl methacrylate	9.10	41	72408	25.281	ug/l	98
49) 1,4-Dioxane	9.06	88	15064	476.841	ug/l	89
51) 4-Methyl-2-Pentanone	10.29	43	370200	117.249	ug/l	97
52) Toluene	10.49	92	276481	21.651	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	156881	21.535	ug/l	97
54) cis-1,3-Dichloropropene	10.02	75	195630	22.054	ug/l	98
55) 1,1,2-Trichloroethane	11.17	97	104698	23.444	ug/l	97
56) Ethyl methacrylate	11.02	69	107153	22.335	ug/l	92
57) 1,3-Dichloropropane	11.40	76	150764	22.968	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	265400	113.595	ug/l	99
59) 2-Hexanone	11.52	43	267094	116.756	ug/l	96
60) Dibromochloromethane	11.67	129	159741	23.203	ug/l	98
61) 1,2-Dibromoethane	11.79	107	116398	22.509	ug/l	99
64) Tetrachloroethene	11.24	164	133950	22.723	ug/l	98
65) Chlorobenzene	12.38	112	344619	22.451	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	139231	23.426	ug/l	98
67) Ethyl Benzene	12.51	91	564450	24.091	ug/l	97
68) m/p-Xylenes	12.66	106	407513	45.915	ug/l	96
69) o-Xylene	13.04	106	204000	23.686	ug/l	96
70) Styrene	13.06	104	334210	22.260	ug/l	97
71) Bromoform	13.23	173	87667	23.269	ug/l	100
73) Isopropylbenzene	13.40	105	548340	21.495	ug/l	99
74) N-amyl acetate	13.26	43	155275	21.850	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	119811	22.264	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	121914	23.026	ug/l	97
77) Bromobenzene	13.66	156	154460	20.424	ug/l	86
78) n-propylbenzene	13.76	91	602775	19.308	ug/l	93
79) 2-Chlorotoluene	13.83	91	369509	21.799	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	473533	23.924	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	31070	19.246	ug/l	93
82) 4-Chlorotoluene	13.94	91	441092	23.932	ug/l	93
83) tert-Butylbenzene	14.18	119	507241	20.506	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	453908	21.182	ug/l	98
85) sec-Butylbenzene	14.36	105	483512	18.400	ug/l	99
86) p-Isopropyltoluene	14.48	119	484348	21.797	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	270127	21.093	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	271208	21.716	ug/l	98
89) n-Butylbenzene	14.79	91	438066	21.479	ug/l	97
90) Hexachloroethane	15.00	117	132493	21.106	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	234328	22.307	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14507	22.985	ug/l	68

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104376	21.812	ug/l	98
94) Hexachlorobutadiene	16.03	225	74880	20.025	ug/l	96
95) Naphthalene	16.11	128	173583	23.798	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	48801	23.175	ug/l	97

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

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