

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041719\
 Data File : VD061850.D
 Acq On : 17 Apr 2019 14:03
 Operator : VA/AP
 Sample : VD0417SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Quant Time: Apr 17 14:37:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:53:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	612702	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	8.21	114	1012722	50.00	ug/l	-0.06
63) Chlorobenzene-d5	12.36	117	846648	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	14.52	152	387480	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	270753	52.73	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	6.92	113	383496	50.12	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	100.24%	
50) Toluene-d8	10.40	98	974330	53.74	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	107.48%	
62) 4-Bromofluorobenzene	13.55	95	366812	49.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	108860	18.204	ug/l	99
3) Chloromethane	1.75	50	97037	20.361	ug/l	97
4) Vinyl Chloride	1.85	62	92270	19.508	ug/l	100
5) Bromomethane	2.14	94	20904	17.342	ug/l	86
6) Chloroethane	2.25	64	27326	16.935	ug/l	92
7) Trichlorofluoromethane	2.52	101	143010	18.642	ug/l	96
8) Diethyl Ether	2.86	74	42196	20.989	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.14	101	139256	20.359	ug/l	95
10) Methyl Iodide	3.30	142	182527	19.055	ug/l	99
11) Tert butyl alcohol	4.05	59	33364	110.176	ug/l	98
12) 1,1-Dichloroethene	3.12	96	117679	20.465	ug/l	91
13) Acrolein	3.03	56	35600	121.435	ug/l	98
14) Allyl chloride	3.61	41	159323	20.327	ug/l	99
15) Acrylonitrile	4.18	53	103357	108.719	ug/l	96
16) Acetone	3.21	43	128245	101.332	ug/l	96
17) Carbon Disulfide	3.36	76	362483	19.510	ug/l	100
18) Methyl Acetate	3.63	43	56469	22.261	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	222017	20.689	ug/l	100
20) Methylene Chloride	3.81	84	193191	28.762	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	123741	19.581	ug/l	94
22) Diisopropyl ether	5.10	45	362690	21.647	ug/l	96
23) Vinyl Acetate	5.05	43	981998	109.642	ug/l	100
24) 1,1-Dichloroethane	4.97	63	208854	20.560	ug/l	99
25) 2-Butanone	6.06	43	149993	104.101	ug/l	99
26) 2,2-Dichloropropane	6.01	77	177626	20.230	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	148254	21.641	ug/l	96
28) Bromochloromethane	6.43	49	81385	21.092	ug/l	98
29) Tetrahydrofuran	6.44	42	75212	107.162	ug/l	98
30) Chloroform	6.65	83	236052	20.834	ug/l	97
31) Cyclohexane	6.95	56	160876	20.688	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	197010	19.615	ug/l	97
36) 1,1-Dichloropropene	7.13	75	168123	20.316	ug/l	99
37) Ethyl Acetate	6.17	43	66819	18.865	ug/l #	93
38) Carbon Tetrachloride	7.10	117	193999	18.565	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	170282	19.815	ug/l	98
40) Benzene	7.45	78	425601	21.422	ug/l	99
41) Methacrylonitrile	6.43	41	82767	19.771	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	139063	20.097	ug/l	97
43) Isopropyl Acetate	9.23	43	112275	22.526	ug/l	94
44) Trichloroethene	8.53	130	159816	20.896	ug/l	97
45) 1,2-Dichloropropane	8.93	63	113115	21.858	ug/l	94
46) Dibromomethane	9.05	93	74641	20.242	ug/l	87
47) Bromodichloromethane	9.37	83	166635	19.588	ug/l	96
48) Methyl methacrylate	9.11	41	60560	20.670	ug/l	92
49) 1,4-Dioxane	9.07	88	14125	441.086	ug/l	95
51) 4-Methyl-2-Pentanone	10.28	43	336495	110.397	ug/l	96
52) Toluene	10.50	92	253524	19.913	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	151696	19.790	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	184739	20.531	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	94094	21.932	ug/l	99
56) Ethyl methacrylate	11.03	69	104205	22.131	ug/l	96
57) 1,3-Dichloropropane	11.40	76	142807	22.141	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.84	63	247957	110.713	ug/l	99
59) 2-Hexanone	11.53	43	231820	102.400	ug/l	100
60) Dibromochloromethane	11.67	129	136919	19.505	ug/l	95
61) 1,2-Dibromoethane	11.80	107	110782	21.000	ug/l	93
64) Tetrachloroethene	11.25	164	120014	18.901	ug/l	98
65) Chlorobenzene	12.39	112	312695	19.832	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	134639	20.376	ug/l	95
67) Ethyl Benzene	12.52	91	507813	20.111	ug/l	99
68) m/p-Xylenes	12.66	106	376502	39.695	ug/l	100
69) o-Xylene	13.04	106	185535	20.811	ug/l	97
70) Styrene	13.06	104	326782	21.301	ug/l	99
71) Bromoform	13.23	173	74713	19.049	ug/l	98
73) Isopropylbenzene	13.40	105	465881	18.539	ug/l	97
74) N-amyl acetate	13.26	43	144344	21.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	109359	22.016	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	104800	20.595	ug/l	96
77) Bromobenzene	13.66	156	146971	20.589	ug/l	87
78) n-propylbenzene	13.77	91	594016	20.460	ug/l	100
79) 2-Chlorotoluene	13.84	91	326997	19.280	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	405749	20.349	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	26609	18.383	ug/l	88
82) 4-Chlorotoluene	13.94	91	388790	20.027	ug/l	89
83) tert-Butylbenzene	14.18	119	464654	19.847	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	415431	20.727	ug/l	98
85) sec-Butylbenzene	14.36	105	487239	20.131	ug/l	98
86) p-Isopropyltoluene	14.49	119	436315	19.267	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	251391	20.173	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	234158	19.009	ug/l	99
89) n-Butylbenzene	14.79	91	404650	20.187	ug/l	96
90) Hexachloroethane	15.00	117	120906	19.589	ug/l	94
91) 1,2-Dichlorobenzene	14.80	146	214402	20.540	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	13404	22.279	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	121517	21.195	ug/l	96
94) Hexachlorobutadiene	16.03	225	81305	19.569	ug/l	97
95) Naphthalene	16.12	128	172578	19.639	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	62356	19.086	ug/l	95

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

