

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062015.D
 Acq On : 25 Apr 2019 2:36
 Operator : VA/AP
 Sample : VD0424SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0424SBS02

Quant Time: Apr 25 03:38:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	540496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	845841	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	717574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	307157	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	236910	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	
35) Dibromofluoromethane	6.93	113	352065	60.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.36%	
50) Toluene-d8	10.41	98	759597	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
62) 4-Bromofluorobenzene	13.56	95	276995	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	82027	16.996	ug/l	100
3) Chloromethane	1.75	50	70260	17.129	ug/l	93
4) Vinyl Chloride	1.85	62	64753	17.417	ug/l	99
5) Bromomethane	2.15	94	19833	17.640	ug/l	97
6) Chloroethane	2.26	64	23444	17.444	ug/l	99
7) Trichlorofluoromethane	2.53	101	104173	18.532	ug/l	97
8) Diethyl Ether	2.87	74	33708	22.373	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	103781	20.041	ug/l	94
10) Methyl Iodide	3.31	142	124299	19.473	ug/l	99
11) Tert butyl alcohol	4.07	59	31594	132.187	ug/l	100
12) 1,1-Dichloroethene	3.13	96	85516	19.411	ug/l	96
13) Acrolein	3.03	56	22130	89.238	ug/l	100
14) Allyl chloride	3.62	41	128208	21.312	ug/l	94
15) Acrylonitrile	4.20	53	93164	125.880	ug/l	98
16) Acetone	3.23	43	83233	82.405	ug/l	97
17) Carbon Disulfide	3.38	76	218797	17.186	ug/l	100
18) Methyl Acetate	3.64	43	50954	26.813	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	211225	24.164	ug/l	93
20) Methylene Chloride	3.82	84	122003	23.096	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	105800	20.934	ug/l	97
22) Diisopropyl ether	5.12	45	299019	21.289	ug/l	94
23) Vinyl Acetate	5.06	43	849544	116.147	ug/l	98
24) 1,1-Dichloroethane	4.99	63	173033	20.383	ug/l	98
25) 2-Butanone	6.07	43	135671	110.787	ug/l	99
26) 2,2-Dichloropropane	6.02	77	135796	18.336	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	121980	21.216	ug/l	95
28) Bromochloromethane	6.44	49	72799	22.412	ug/l	94
29) Tetrahydrofuran	6.46	42	70825	117.377	ug/l	99
30) Chloroform	6.66	83	203320	21.086	ug/l	97
31) Cyclohexane	6.96	56	123545	19.607	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	173589	20.691	ug/l	99
36) 1,1-Dichloropropene	7.15	75	147301	22.352	ug/l	98
37) Ethyl Acetate	6.18	43	67377	23.993	ug/l	96
38) Carbon Tetrachloride	7.12	117	189499	22.693	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	137616	21.166	ug/l	94
40) Benzene	7.45	78	331485	20.318	ug/l	94
41) Methacrylonitrile	6.45	41	79897	24.384	ug/l	95
42) 1,2-Dichloroethane	7.58	62	133130	24.033	ug/l	97
43) Isopropyl Acetate	9.24	43	88708	21.619	ug/l	99
44) Trichloroethene	8.54	130	132372	20.928	ug/l	98
45) 1,2-Dichloropropane	8.94	63	89236	21.561	ug/l	97
46) Dibromomethane	9.07	93	71782	24.103	ug/l	94
47) Bromodichloromethane	9.38	83	161700	22.979	ug/l	99
48) Methyl methacrylate	9.13	41	58147	24.837	ug/l	96
49) 1,4-Dioxane	9.09	88	12900	511.092	ug/l	95
51) 4-Methyl-2-Pentanone	10.30	43	319068	127.151	ug/l	95
52) Toluene	10.51	92	227349	21.855	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	129030	21.845	ug/l	95
54) cis-1,3-Dichloropropene	10.04	75	153037	21.303	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	76295	21.846	ug/l #	92
56) Ethyl methacrylate	11.04	69	88090	22.775	ug/l	95
57) 1,3-Dichloropropane	11.41	76	118047	21.886	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	218394	121.445	ug/l	95
59) 2-Hexanone	11.54	43	221974	117.922	ug/l	99
60) Dibromochloromethane	11.68	129	132459	22.923	ug/l	99
61) 1,2-Dibromoethane	11.80	107	92466	22.320	ug/l	98
64) Tetrachloroethene	11.26	164	107575	21.015	ug/l	97
65) Chlorobenzene	12.40	112	288699	21.291	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	122026	21.216	ug/l	97
67) Ethyl Benzene	12.52	91	442293	19.985	ug/l	98
68) m/p-Xylenes	12.67	106	322792	40.354	ug/l	99
69) o-Xylene	13.05	106	163978	22.405	ug/l	99
70) Styrene	13.07	104	277530	21.961	ug/l	99
71) Bromoform	13.24	173	74625	22.758	ug/l #	96
73) Isopropylbenzene	13.41	105	424222	20.704	ug/l	98
74) N-amyl acetate	13.27	43	125295	23.745	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	91702	22.839	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	96593	24.765	ug/l	100
77) Bromobenzene	13.67	156	130910	22.272	ug/l	99
78) n-propylbenzene	13.77	91	585396	24.958	ug/l	99
79) 2-Chlorotoluene	13.84	91	306251	21.556	ug/l	100
80) 1,3,5-Trimethylbenzene	13.94	105	387236	23.702	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	27906	23.609	ug/l	95
82) 4-Chlorotoluene	13.95	91	349970	22.368	ug/l	93
83) tert-Butylbenzene	14.19	119	380960	20.129	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	371539	23.817	ug/l	97
85) sec-Butylbenzene	14.37	105	482966	23.617	ug/l	99
86) p-Isopropyltoluene	14.49	119	378152	20.662	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	230647	22.408	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	195183	20.277	ug/l	97
89) n-Butylbenzene	14.80	91	344835	20.987	ug/l	94
90) Hexachloroethane	15.01	117	108913	22.007	ug/l	91
91) 1,2-Dichlorobenzene	14.82	146	189192	22.282	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	13612	24.373	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	98499	21.501	µg/l	95
94) Hexachlorobutadiene	16.04	225	71628	21.128	µg/l	95
95) Naphthalene	16.12	128	187526	25.352	µg/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	68795	26.467	µg/l	99

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

