

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052319\
 Data File : VD062519.D
 Acq On : 23 May 2019 13:54
 Operator : VA/AP
 Sample : VD0523SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0523SBS01

Quant Time: May 24 01:20:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	584732	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	781685	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	645586	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	343600	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	264701	42.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	84.58%	
35) Dibromofluoromethane	6.92	113	313330	44.43	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.86%	
50) Toluene-d8	10.40	98	705908	45.74	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.48%	
62) 4-Bromofluorobenzene	13.55	95	309942	45.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	131284	21.025	ug/l	95
3) Chloromethane	1.74	50	87443	21.587	ug/l	98
4) Vinyl Chloride	1.84	62	91801	21.537	ug/l	98
5) Bromomethane	2.14	94	33374	18.145	ug/l	95
6) Chloroethane	2.24	64	41290	20.024	ug/l	91
7) Trichlorofluoromethane	2.52	101	187968	19.085	ug/l	99
8) Diethyl Ether	2.86	74	23744	17.872	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	3.14	101	111607	19.048	ug/l	93
10) Methyl Iodide	3.29	142	187685	22.972	ug/l	91
11) Tert butyl alcohol	4.07	59	25302	87.576	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	77420	17.878	ug/l	86
13) Acrolein	3.02	56	21263	88.622	ug/l	94
14) Allyl chloride	3.61	41	125964	19.728	ug/l #	83
15) Acrylonitrile	4.19	53	63873	96.481	ug/l #	84
16) Acetone	3.22	43	103338	92.132	ug/l #	90
17) Carbon Disulfide	3.37	76	286476	21.844	ug/l	100
18) Methyl Acetate	3.63	43	36665	18.944	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	200143	20.011	ug/l	93
20) Methylene Chloride	3.80	84	101485	17.089	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	102973	20.312	ug/l	91
22) Diisopropyl ether	5.11	45	273088	20.094	ug/l	93
23) Vinyl Acetate	5.05	43	772388	94.054	ug/l	98
24) 1,1-Dichloroethane	4.97	63	178076	20.345	ug/l	98
25) 2-Butanone	6.06	43	108502	92.490	ug/l	98
26) 2,2-Dichloropropane	6.01	77	190779	20.220	ug/l	90
27) cis-1,2-Dichloroethene	6.02	96	110423	20.200	ug/l	94
28) Bromochloromethane	6.43	49	57960	18.450	ug/l	94
29) Tetrahydrofuran	6.45	42	52448	93.612	ug/l	96
30) Chloroform	6.65	83	206728	18.526	ug/l	98
31) Cyclohexane	6.94	56	125908	21.305	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	209758	18.619	ug/l	98
36) 1,1-Dichloropropene	7.13	75	150273	20.108	ug/l	93
37) Ethyl Acetate	6.17	43	60658	20.893	ug/l #	93
38) Carbon Tetrachloride	7.09	117	215224	19.377	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	135565	21.993	ug/l	94
40) Benzene	7.44	78	305241	20.822	ug/l	98
41) Methacrylonitrile	6.44	41	69492	19.058	ug/l #	86
42) 1,2-Dichloroethane	7.57	62	140435	18.091	ug/l	92
43) Isopropyl Acetate	9.23	43	71435	18.547	ug/l	92
44) Trichloroethene	8.53	130	130061	22.159	ug/l	99
45) 1,2-Dichloropropane	8.93	63	72705	20.352	ug/l	99
46) Dibromomethane	9.05	93	61294	18.928	ug/l	90
47) Bromodichloromethane	9.37	83	158099	19.192	ug/l	99
48) Methyl methacrylate	9.11	41	50150	19.349	ug/l	92
49) 1,4-Dioxane	9.07	88	9637	414.522	ug/l #	84
51) 4-Methyl-2-Pentanone	10.29	43	252819	99.362	ug/l	93
52) Toluene	10.50	92	208569	20.783	ug/l	95
53) t-1,3-Dichloropropene	10.90	75	140144	20.434	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	144844	20.240	ug/l #	90
55) 1,1,2-Trichloroethane	11.18	97	66209	19.466	ug/l	96
56) Ethyl methacrylate	11.04	69	74661	20.534	ug/l #	94
57) 1,3-Dichloropropane	11.40	76	96901	18.577	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	187028	100.173	ug/l	96
59) 2-Hexanone	11.52	43	176608	95.504	ug/l	98
60) Dibromochloromethane	11.68	129	123188	18.857	ug/l	98
61) 1,2-Dibromoethane	11.80	107	84666	20.199	ug/l	98
64) Tetrachloroethene	11.25	164	112014	20.722	ug/l	98
65) Chlorobenzene	12.40	112	260245	20.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	124800	21.777	ug/l	94
67) Ethyl Benzene	12.52	91	481860	22.534	ug/l	98
68) m/p-Xylenes	12.66	106	332179	43.275	ug/l	90
69) o-Xylene	13.05	106	145435	20.081	ug/l	95
70) Styrene	13.07	104	257378	20.890	ug/l	96
71) Bromoform	13.24	173	77291	20.308	ug/l #	97
73) Isopropylbenzene	13.40	105	462843	21.370	ug/l	98
74) N-amyl acetate	13.26	43	102749	19.208	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	74779	19.138	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	82067	20.277	ug/l	100
77) Bromobenzene	13.67	156	135659	22.080	ug/l	98
78) n-propylbenzene	13.77	91	560208	22.330	ug/l	95
79) 2-Chlorotoluene	13.84	91	301771	19.821	ug/l	96
80) 1,3,5-Trimethylbenzene	13.93	105	400646	21.364	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	23793	20.845	ug/l #	84
82) 4-Chlorotoluene	13.94	91	368112	20.995	ug/l	92
83) tert-Butylbenzene	14.19	119	447680	21.522	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	401586	20.899	ug/l	98
85) sec-Butylbenzene	14.37	105	489444	22.565	ug/l	98
86) p-Isopropyltoluene	14.49	119	441462	22.459	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	239937	22.114	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	227291	21.709	ug/l	94
89) n-Butylbenzene	14.80	91	401993	21.191	ug/l	97
90) Hexachloroethane	15.01	117	115091	21.187	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	201165	21.804	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14668	19.777	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	150429	20.707	ug/l	96
94) Hexachlorobutadiene	16.04	225	101602	18.942	ug/l	97
95) Naphthalene	16.12	128	222555	22.421	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	112888	18.956	ug/l	99

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

