

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061304.D
 Acq On : 25 Mar 2019 16:16
 Operator : VA/AP
 Sample : VD0325SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0325SBS01

Quant Time: Mar 26 04:28:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	792281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	1386000	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1119608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	434140	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	323261	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
35) Dibromofluoromethane	6.94	113	519712	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
50) Toluene-d8	10.41	98	1265841	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	13.55	95	462820	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	161638	19.954	ug/l	98
3) Chloromethane	1.77	50	137160	21.706	ug/l	100
4) Vinyl Chloride	1.87	62	126831	21.466	ug/l	97
5) Bromomethane	2.16	94	23278	19.411	ug/l	91
6) Chloroethane	2.27	64	36199	19.475	ug/l	95
7) Trichlorofluoromethane	2.54	101	167196	19.144	ug/l	98
8) Diethyl Ether	2.89	74	54401	20.950	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.17	101	194352	21.864	ug/l	94
10) Methyl Iodide	3.33	142	240560	19.371	ug/l	98
11) Tert butyl alcohol	4.08	59	35571	97.755	ug/l	98
12) 1,1-Dichloroethene	3.14	96	168053	21.971	ug/l	98
13) Acrolein	3.05	56	45457	114.128	ug/l	95
14) Allyl chloride	3.63	41	233339	21.505	ug/l	99
15) Acrylonitrile	4.21	53	131922	103.089	ug/l	94
16) Acetone	3.24	43	154353	94.404	ug/l	93
17) Carbon Disulfide	3.40	76	544383	21.430	ug/l	99
18) Methyl Acetate	3.65	43	65202	21.097	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	266583	19.790	ug/l	100
20) Methylene Chloride	3.83	84	182719	19.690	ug/l	97
21) trans-1,2-Dichloroethene	4.23	96	173691	20.298	ug/l	95
22) Diisopropyl ether	5.14	45	491877	21.519	ug/l	98
23) Vinyl Acetate	5.07	43	1308550	107.187	ug/l	100
24) 1,1-Dichloroethane	5.00	63	277114	20.804	ug/l	99
25) 2-Butanone	6.08	43	195730	103.498	ug/l	96
26) 2,2-Dichloropropane	6.04	77	232896	20.591	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	201051	21.833	ug/l	99
28) Bromochloromethane	6.46	49	111161	19.938	ug/l	99
29) Tetrahydrofuran	6.48	42	97572	103.655	ug/l	99
30) Chloroform	6.67	83	312335	22.004	ug/l	96
31) Cyclohexane	6.97	56	227940	21.084	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	253369	20.155	ug/l	97
36) 1,1-Dichloropropene	7.16	75	239320	21.105	ug/l	97
37) Ethyl Acetate	6.19	43	89759	18.951	ug/l	96
38) Carbon Tetrachloride	7.13	117	260835	20.125	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	234523	19.969	ug/l	98
40) Benzene	7.46	78	562190	19.962	ug/l	99
41) Methacrylonitrile	6.45	41	109496	19.894	ug/l #	89
42) 1,2-Dichloroethane	7.59	62	167495	19.083	ug/l	96
43) Isopropyl Acetate	9.24	43	138140	20.228	ug/l #	91
44) Trichloroethene	8.55	130	214719	21.081	ug/l	95
45) 1,2-Dichloropropane	8.95	63	146110	21.020	ug/l	95
46) Dibromomethane	9.08	93	93511	19.627	ug/l	99
47) Bromodichloromethane	9.38	83	206290	18.473	ug/l	98
48) Methyl methacrylate	9.12	41	74348	20.397	ug/l	98
49) 1,4-Dioxane	9.09	88	17184	429.670	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	395378	97.253	ug/l	99
52) Toluene	10.51	92	351560	20.401	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	195836	20.179	ug/l	99
54) cis-1,3-Dichloropropene	10.05	75	252567	21.312	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	119659	20.916	ug/l	94
56) Ethyl methacrylate	11.04	69	137697	22.556	ug/l	95
57) 1,3-Dichloropropane	11.41	76	168404	19.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	332806	104.789	ug/l	98
59) 2-Hexanone	11.54	43	281296	95.267	ug/l	100
60) Dibromochloromethane	11.68	129	181939	20.305	ug/l	93
61) 1,2-Dibromoethane	11.81	107	132731	19.856	ug/l	99
64) Tetrachloroethene	11.26	164	153697	19.928	ug/l	97
65) Chlorobenzene	12.40	112	439843	21.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	155822	19.489	ug/l	99
67) Ethyl Benzene	12.53	91	613319	19.433	ug/l	100
68) m/p-Xylenes	12.67	106	511141	41.490	ug/l	97
69) o-Xylene	13.05	106	239979	21.003	ug/l	100
70) Styrene	13.07	104	410221	21.155	ug/l	100
71) Bromoform	13.24	173	97001	19.826	ug/l	99
73) Isopropylbenzene	13.41	105	606410	21.475	ug/l	98
74) N-amyl acetate	13.27	43	170625	23.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	129071	23.571	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	129294	23.948	ug/l	97
77) Bromobenzene	13.67	156	176186	22.337	ug/l	99
78) n-propylbenzene	13.78	91	717243	22.514	ug/l	94
79) 2-Chlorotoluene	13.84	91	411918	22.207	ug/l	100
80) 1,3,5-Trimethylbenzene	14.24	105	538101	24.156	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	36641	21.504	ug/l	96
82) 4-Chlorotoluene	13.95	91	488142	24.072	ug/l	100
83) tert-Butylbenzene	14.19	119	618539	24.319	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	538101	24.156	ug/l	99
85) sec-Butylbenzene	14.37	105	705356	24.902	ug/l	99
86) p-Isopropyltoluene	14.49	119	558374	22.096	ug/l	100
87) 1,3-Dichlorobenzene	14.46	146	329010	23.533	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	293975	21.707	ug/l	98
89) n-Butylbenzene	14.80	91	534439	23.821	ug/l	95
90) Hexachloroethane	15.01	117	159579	23.553	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	272617	24.437	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	14701	21.485	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	122463	23.769	ug/l	97
94) Hexachlorobutadiene	16.05	225	89705	21.608	ug/l	98
95) Naphthalene	16.12	128	179144	23.830	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	50820	21.119	ug/l	98

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

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