

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032919\
 Data File : VD061424.D
 Acq On : 29 Mar 2019 12:42
 Operator : VA/AP
 Sample : VD0329SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0329SBS01

Quant Time: Mar 29 22:35:50 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	7.06	168	771619	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1273779	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	1005634	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	409572	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	295736	44.87	ug/l	0.03
Spiked Amount			Recovery	=	89.74%	
35) Dibromofluoromethane	6.94	113	481656	49.48	ug/l	0.04
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.41	98	1143312	48.97	ug/l	0.03
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	13.55	95	404882	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	164829	20.002	ug/l	100
3) Chloromethane	1.77	50	139038	20.688	ug/l	100
4) Vinyl Chloride	1.87	62	132009	21.393	ug/l	95
5) Bromomethane	2.16	94	22465	18.359	ug/l #	82
6) Chloroethane	2.28	64	37082	20.492	ug/l	95
7) Trichlorofluoromethane	2.55	101	177012	19.727	ug/l	99
8) Diethyl Ether	2.89	74	50260	17.397	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.17	101	195447	20.260	ug/l	94
10) Methyl Iodide	3.32	142	227986	17.934	ug/l	97
11) Tert butyl alcohol	4.07	59	38243	93.163	ug/l #	92
12) 1,1-Dichloroethene	3.14	96	168836	20.385	ug/l	99
13) Acrolein	3.05	56	34367	95.744	ug/l	94
14) Allyl chloride	3.63	41	245060	21.214	ug/l	93
15) Acrylonitrile	4.21	53	132802	93.211	ug/l	96
16) Acetone	3.24	43	147543	87.074	ug/l	95
17) Carbon Disulfide	3.39	76	541633	20.128	ug/l	99
18) Methyl Acetate	3.66	43	70478	19.782	ug/l	98
19) Methyl tert-butyl Ether	4.25	73	275755	19.234	ug/l	96
20) Methylene Chloride	3.84	84	216383	21.709	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	183608	20.533	ug/l	97
22) Diisopropyl ether	5.14	45	504400	20.634	ug/l	99
23) Vinyl Acetate	5.07	43	1278636	96.292	ug/l	98
24) 1,1-Dichloroethane	5.00	63	280335	19.513	ug/l	100
25) 2-Butanone	6.08	43	196363	92.126	ug/l	97
26) 2,2-Dichloropropane	6.04	77	245844	21.527	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	204935	20.918	ug/l	94
28) Bromochloromethane	6.46	49	114805	19.797	ug/l #	94
29) Tetrahydrofuran	6.47	42	100681	97.454	ug/l	97
30) Chloroform	6.68	83	302935	20.407	ug/l	100
31) Cyclohexane	6.97	56	247853	21.832	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	271685	20.746	ug/l	98
36) 1,1-Dichloropropene	7.15	75	227328	20.448	ug/l	97
37) Ethyl Acetate	6.19	43	88865	18.690	ug/l	96
38) Carbon Tetrachloride	7.12	117	262039	20.512	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	238892	20.632	ug/l	97
40) Benzene	7.47	78	566632	20.309	ug/l	94
41) Methacrylonitrile	6.46	41	111801	20.111	ug/l #	98
42) 1,2-Dichloroethane	7.59	62	163233	19.558	ug/l	98
43) Isopropyl Acetate	9.24	43	135583	19.599	ug/l	97
44) Trichloroethene	8.55	130	222692	21.447	ug/l	95
45) 1,2-Dichloropropane	8.95	63	152630	21.573	ug/l	93
46) Dibromomethane	9.06	93	97197	20.411	ug/l	92
47) Bromodichloromethane	9.38	83	225249	21.075	ug/l	97
48) Methyl methacrylate	9.12	41	80222	21.012	ug/l	94
49) 1,4-Dioxane	9.09	88	17415	413.554	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	422481	100.382	ug/l	99
52) Toluene	10.51	92	377259	22.163	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	200639	20.662	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	246071	20.811	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	111313	18.699	ug/l	94
56) Ethyl methacrylate	11.04	69	123558	19.321	ug/l	92
57) 1,3-Dichloropropane	11.41	76	176077	20.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	306645	98.462	ug/l	95
59) 2-Hexanone	11.53	43	288251	94.528	ug/l	97
60) Dibromochloromethane	11.69	129	180894	19.712	ug/l	96
61) 1,2-Dibromoethane	11.81	107	139741	20.272	ug/l	96
64) Tetrachloroethene	11.26	164	154981	19.637	ug/l	98
65) Chlorobenzene	12.40	112	441688	21.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	174645	21.947	ug/l	98
67) Ethyl Benzene	12.53	91	728805	23.233	ug/l	98
68) m/p-Xylenes	12.67	106	517122	43.518	ug/l	97
69) o-Xylene	13.05	106	254061	22.032	ug/l	99
70) Styrene	13.07	104	441118	21.944	ug/l	96
71) Bromoform	13.24	173	99202	19.666	ug/l	98
73) Isopropylbenzene	13.41	105	685600	24.051	ug/l	99
74) N-amyl acetate	13.27	43	167467	21.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	130254	21.661	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	120283	20.331	ug/l	99
77) Bromobenzene	13.67	156	186529	22.072	ug/l	90
78) n-propylbenzene	13.78	91	789729	22.638	ug/l	99
79) 2-Chlorotoluene	13.84	91	449646	23.739	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	518872	23.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	37131	20.584	ug/l	97
82) 4-Chlorotoluene	13.95	91	487100	23.651	ug/l	92
83) tert-Butylbenzene	14.19	119	576944	20.873	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	552728	23.084	ug/l	99
85) sec-Butylbenzene	14.37	105	692675	23.590	ug/l	99
86) p-Isopropyltoluene	14.49	119	556415	22.409	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	312938	21.868	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	311527	22.323	ug/l	96
89) n-Butylbenzene	14.80	91	537570	23.588	ug/l	98
90) Hexachloroethane	15.01	117	159593	22.751	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	263828	22.476	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14505	20.567	ug/l	54

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	118822	22.222	ug/l	97
94) Hexachlorobutadiene	16.04	225	91114	21.806	ug/l	96
95) Naphthalene	16.12	128	176309	21.632	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	51393	21.842	ug/l	96

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

