

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062819\
 Data File : VD062957.D
 Acq On : 28 Jun 2019 11:05
 Operator : VA/AP
 Sample : VD0628SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0628SBS01

Quant Time: Jun 29 00:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	820289	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1150528	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	953305	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	512285	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	435759	48.87	ug/l	-0.03
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	6.90	113	458833	47.30	ug/l	-0.03
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	10.38	98	1000323	47.38	ug/l	-0.03
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	13.54	95	438719	45.70	ug/l	-0.01
Spiked Amount			Recovery	=	91.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	216617	20.407	ug/l	96
3) Chloromethane	1.75	50	162429	20.347	ug/l	99
4) Vinyl Chloride	1.83	62	154693	19.544	ug/l	97
5) Bromomethane	2.14	94	52654	14.205	ug/l	96
6) Chloroethane	2.24	64	64462	17.989	ug/l	90
7) Trichlorofluoromethane	2.51	101	288915	18.036	ug/l	98
8) Diethyl Ether	2.85	74	41221	20.253	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.12	101	172293	19.854	ug/l	94
10) Methyl Iodide	3.28	142	192162	16.784	ug/l	99
11) Tert butyl alcohol	4.06	59	42630	104.975	ug/l #	90
12) 1,1-Dichloroethene	3.10	96	122594	18.831	ug/l	88
13) Acrolein	3.02	56	31784	76.666	ug/l #	74
14) Allyl chloride	3.59	41	196427	20.420	ug/l	96
15) Acrylonitrile	4.17	53	96496	101.126	ug/l	93
16) Acetone	3.20	43	176696	93.337	ug/l	98
17) Carbon Disulfide	3.35	76	378245	18.180	ug/l #	94
18) Methyl Acetate	3.62	43	70457	26.176	ug/l	98
19) Methyl tert-butyl Ether	4.21	73	294221	20.877	ug/l #	89
20) Methylene Chloride	3.79	84	132717	19.517	ug/l	85
21) trans-1,2-Dichloroethene	4.18	96	127252	18.358	ug/l	88
22) Diisopropyl ether	5.09	45	387685	19.818	ug/l	98
23) Vinyl Acetate	5.02	43	1194897	97.614	ug/l	99
24) 1,1-Dichloroethane	4.94	63	252164	19.798	ug/l	98
25) 2-Butanone	6.05	43	163132	97.822	ug/l	97
26) 2,2-Dichloropropane	5.99	77	265714	19.682	ug/l	98
27) cis-1,2-Dichloroethene	6.00	96	137943	18.818	ug/l	75
28) Bromochloromethane	6.41	49	107040	23.862	ug/l	91
29) Tetrahydrofuran	6.44	42	75773	96.034	ug/l	98
30) Chloroform	6.63	83	293501	18.948	ug/l	93
31) Cyclohexane	6.92	56	151149	18.052	ug/l	88
32) 1,1,1-Trichloroethane	6.84	97	318661	19.751	ug/l	97
36) 1,1-Dichloropropene	7.12	75	204110	18.741	ug/l	93
37) Ethyl Acetate	6.16	43	81310	17.046	ug/l #	93
38) Carbon Tetrachloride	7.08	117	300307	18.334	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	183258	19.115	ug/l	96
40) Benzene	7.43	78	408687	18.694	ug/l	96
41) Methacrylonitrile	6.43	41	109580	19.078	ug/l #	92
42) 1,2-Dichloroethane	7.55	62	223303	18.723	ug/l	96
43) Isopropyl Acetate	9.22	43	110983	19.437	ug/l #	99
44) Trichloroethene	8.51	130	153914	17.958	ug/l	98
45) 1,2-Dichloropropane	8.92	63	94683	17.417	ug/l	94
46) Dibromomethane	9.04	93	85413	18.291	ug/l	95
47) Bromodichloromethane	9.35	83	231218	19.065	ug/l #	99
48) Methyl methacrylate	9.10	41	78387	19.318	ug/l	96
49) 1,4-Dioxane	9.07	88	14364	425.492	ug/l	88
51) 4-Methyl-2-Pentanone	10.29	43	396243	97.878	ug/l	97
52) Toluene	10.48	92	274641	18.688	ug/l	94
53) t-1,3-Dichloropropene	10.89	75	192685	19.411	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	202061	18.728	ug/l	94
55) 1,1,2-Trichloroethane	11.17	97	94658	18.748	ug/l	97
56) Ethyl methacrylate	11.02	69	99761	18.489	ug/l	97
57) 1,3-Dichloropropane	11.39	76	147493	19.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.83	63	313978	113.345	ug/l	92
59) 2-Hexanone	11.52	43	266618	92.473	ug/l	98
60) Dibromochloromethane	11.66	129	170387	18.118	ug/l	99
61) 1,2-Dibromoethane	11.78	107	114594	19.217	ug/l	95
64) Tetrachloroethene	11.23	164	148842	18.971	ug/l	95
65) Chlorobenzene	12.38	112	333751	18.864	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	164356	19.864	ug/l	98
67) Ethyl Benzene	12.51	91	646087	20.340	ug/l	98
68) m/p-Xylenes	12.65	106	415994	37.601	ug/l	98
69) o-Xylene	13.03	106	190306	18.817	ug/l	90
70) Styrene	13.06	104	344167	19.374	ug/l	90
71) Bromoform	13.22	173	104005	18.347	ug/l	95
73) Isopropylbenzene	13.39	105	659639	20.082	ug/l	99
74) N-amyl acetate	13.25	43	157915	19.797	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.68	83	108539	20.281	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	122617	20.733	ug/l	98
77) Bromobenzene	13.65	156	182389	20.644	ug/l	81
78) n-propylbenzene	13.76	91	728754	19.062	ug/l	93
79) 2-Chlorotoluene	13.83	91	412536	18.882	ug/l	95
80) 1,3,5-Trimethylbenzene	13.92	105	520056	18.849	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.46	75	26957	17.392	ug/l	89
82) 4-Chlorotoluene	13.94	91	513176	19.510	ug/l	98
83) tert-Butylbenzene	14.17	119	620043	20.162	ug/l	94
84) 1,2,4-Trimethylbenzene	14.22	105	545947	19.306	ug/l	94
85) sec-Butylbenzene	14.35	105	646608	19.345	ug/l	96
86) p-Isopropyltoluene	14.48	119	620159	20.281	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	306601	19.360	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	293683	18.463	ug/l	94
89) n-Butylbenzene	14.79	91	594979	20.789	ug/l	99
90) Hexachloroethane	14.99	117	164203	19.972	ug/l	74
91) 1,2-Dichlorobenzene	14.80	146	279164	20.603	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	21084	20.184	ug/l	88

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93) 1,2,4-Trichlorobenzene	15.94	180	206954	19.552	ug/l	92
94) Hexachlorobutadiene	16.03	225	155718	19.257	ug/l	96
95) Naphthalene	16.11	128	301405	20.317	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	172183	21.172	ug/l	94

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

