

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063629.D
 Acq On : 16 Aug 2019 11:17
 Operator : JC/SY
 Sample : VD0816SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 05:59:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	1095815	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1435194	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1275489	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	636745	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	576264	49.20	ug/l	-0.03
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	6.91	113	654550	54.15	ug/l	-0.03
Spiked Amount			Recovery	=	108.30%	
50) Toluene-d8	10.40	98	1515961	57.05	ug/l	-0.02
Spiked Amount			Recovery	=	114.10%	
62) 4-Bromofluorobenzene	13.55	95	607898	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	273086	20.599	ug/l	96
3) Chloromethane	1.74	50	215900	20.844	ug/l	94
4) Vinyl Chloride	1.84	62	214878	20.897	ug/l	95
5) Bromomethane	2.14	94	86983	17.928	ug/l #	97
6) Chloroethane	2.24	64	91722	19.506	ug/l	94
7) Trichlorofluoromethane	2.52	101	452211	22.421	ug/l	97
8) Diethyl Ether	2.86	74	65924	23.150	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.13	101	249355	20.937	ug/l #	86
10) Methyl Iodide	3.29	142	327809	19.453	ug/l #	97
11) Tert butyl alcohol	4.08	59	60076	117.817	ug/l	97
12) 1,1-Dichloroethene	3.11	96	185781	20.981	ug/l	87
13) Acrolein	3.02	56	37914	75.539	ug/l	92
14) Allyl chloride	3.60	41	290859	21.851	ug/l	98
15) Acrylonitrile	4.19	53	148777	110.154	ug/l	92
16) Acetone	3.22	43	244372	102.630	ug/l	94
17) Carbon Disulfide	3.35	76	602967	21.577	ug/l	99
18) Methyl Acetate	3.63	43	97262	21.565	ug/l #	82
19) Methyl tert-butyl Ether	4.23	73	409429	23.121	ug/l	96
20) Methylene Chloride	3.80	84	206678	20.073	ug/l	92
21) trans-1,2-Dichloroethene	4.20	96	219709	23.579	ug/l	95
22) Diisopropyl ether	5.11	45	584159	21.267	ug/l	97
23) Vinyl Acetate	5.04	43	1748555	109.500	ug/l	100
24) 1,1-Dichloroethane	4.97	63	363277	21.324	ug/l	98
25) 2-Butanone	6.06	43	248303	105.586	ug/l	95
26) 2,2-Dichloropropane	6.01	77	372156	21.932	ug/l	89
27) cis-1,2-Dichloroethene	6.02	96	221410	21.718	ug/l	95
28) Bromochloromethane	6.43	49	147109	21.306	ug/l	93
29) Tetrahydrofuran	6.46	42	118600	108.230	ug/l	94
30) Chloroform	6.65	83	447874	21.150	ug/l	100
31) Cyclohexane	6.95	56	212741	20.115	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	433475	21.399	ug/l	99
36) 1,1-Dichloropropene	7.13	75	280136	22.080	ug/l	97
37) Ethyl Acetate	6.17	43	119314	22.443	ug/l #	94
38) Carbon Tetrachloride	7.10	117	445794	23.314	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	245040	22.713	ug/l	99
40) Benzene	7.44	78	641517	22.976	ug/l	96
41) Methacrylonitrile	6.44	41	153759	22.970	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	323103	23.014	ug/l	99
43) Isopropyl Acetate	9.23	43	161166	22.634	ug/l #	99
44) Trichloroethene	8.53	130	252610	23.671	ug/l	93
45) 1,2-Dichloropropane	8.93	63	152937	23.521	ug/l	94
46) Dibromomethane	9.05	93	126277	22.742	ug/l #	84
47) Bromodichloromethane	9.37	83	318878	22.388	ug/l	93
48) Methyl methacrylate	9.11	41	105109	21.767	ug/l	90
49) 1,4-Dioxane	9.07	88	17892	429.397	ug/l	92
51) 4-Methyl-2-Pentanone	10.29	43	551767	113.246	ug/l	95
52) Toluene	10.50	92	445512	24.773	ug/l	99
53) t-1,3-Dichloropropene	10.90	75	275667	23.716	ug/l	91
54) cis-1,3-Dichloropropene	10.03	75	301246	22.984	ug/l	91
55) 1,1,2-Trichloroethane	11.18	97	140136	23.069	ug/l #	94
56) Ethyl methacrylate	11.03	69	157908	23.949	ug/l	96
57) 1,3-Dichloropropane	11.40	76	215577	23.477	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	386865	111.138	ug/l	96
59) 2-Hexanone	11.53	43	425873	120.126	ug/l	99
60) Dibromochloromethane	11.68	129	259752	23.499	ug/l	96
61) 1,2-Dibromoethane	11.80	107	168054	22.852	ug/l	93
64) Tetrachloroethene	11.25	164	220037	22.347	ug/l	92
65) Chlorobenzene	12.39	112	514896	21.539	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	243691	23.163	ug/l	91
67) Ethyl Benzene	12.52	91	934565	22.484	ug/l	99
68) m/p-Xylenes	12.66	106	650085	44.516	ug/l	95
69) o-Xylene	13.04	106	307930	21.908	ug/l	100
70) Styrene	13.07	104	526916	21.075	ug/l	96
71) Bromoform	13.23	173	164230	22.765	ug/l #	91
73) Isopropylbenzene	13.40	105	943918	23.306	ug/l	97
74) N-amyl acetate	13.26	43	218775	21.518	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	153637	22.855	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	180388	24.685	ug/l	94
77) Bromobenzene	13.66	156	251805	22.749	ug/l	95
78) n-propylbenzene	13.77	91	1125212	23.745	ug/l	96
79) 2-Chlorotoluene	13.84	91	671345	24.571	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	842021	23.795	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	40623	20.683	ug/l	99
82) 4-Chlorotoluene	13.94	91	765035	23.285	ug/l	97
83) tert-Butylbenzene	14.18	119	857625	23.015	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	761048	23.244	ug/l	94
85) sec-Butylbenzene	14.36	105	971432	24.548	ug/l	99
86) p-Isopropyltoluene	14.49	119	932237	24.638	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	463222	23.136	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	444936	23.163	ug/l	98
89) n-Butylbenzene	14.79	91	831327	24.073	ug/l	97
90) Hexachloroethane	15.00	117	219999	23.132	ug/l	91
91) 1,2-Dichlorobenzene	14.80	146	410236	24.150	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	28875	22.812	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	301518	24.123	ug/l	95
94) Hexachlorobutadiene	16.03	225	225870	23.710	ug/l	97
95) Naphthalene	16.12	128	417317	22.030	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	235271	23.304	ug/l	95

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

