

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063652.D
 Acq On : 19 Aug 2019 12:47
 Operator : JC/SY
 Sample : VD0819SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 20 08:12:46 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	1099038	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.22	114	1579293	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1270264	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	717090	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	596321	50.76	ug/l	-0.02
Spiked Amount			Recovery	=	101.52%	
35) Dibromofluoromethane	6.93	113	645448	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.41	98	1493520	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	13.55	95	641013	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	278644	20.956	ug/l	95
3) Chloromethane	1.74	50	227321	21.882	ug/l	93
4) Vinyl Chloride	1.85	62	220705	21.401	ug/l	98
5) Bromomethane	2.14	94	94707	19.462	ug/l	96
6) Chloroethane	2.25	64	103387	21.922	ug/l	92
7) Trichlorofluoromethane	2.53	101	407175	20.128	ug/l	99
8) Diethyl Ether	2.87	74	56618	19.824	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.14	101	241766	20.241	ug/l	99
10) Methyl Iodide	3.31	142	286620	16.959	ug/l	91
11) Tert butyl alcohol	4.08	59	56240	109.971	ug/l #	89
12) 1,1-Dichloroethene	3.12	96	186622	21.014	ug/l	82
13) Acrolein	3.03	56	37154	73.808	ug/l	94
14) Allyl chloride	3.62	41	277458	20.783	ug/l	95
15) Acrylonitrile	4.20	53	151348	111.729	ug/l	85
16) Acetone	3.23	43	247931	103.819	ug/l	97
17) Carbon Disulfide	3.36	76	584095	20.840	ug/l	99
18) Methyl Acetate	3.64	43	91808	20.296	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	387234	21.803	ug/l	95
20) Methylene Chloride	3.81	84	201796	19.542	ug/l	92
21) trans-1,2-Dichloroethene	4.21	96	202640	21.684	ug/l	92
22) Diisopropyl ether	5.13	45	578624	21.004	ug/l	94
23) Vinyl Acetate	5.06	43	1672764	104.447	ug/l	97
24) 1,1-Dichloroethane	4.98	63	379899	22.234	ug/l	99
25) 2-Butanone	6.07	43	242868	102.972	ug/l	96
26) 2,2-Dichloropropane	6.01	77	367714	21.606	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	208468	20.389	ug/l	86
28) Bromochloromethane	6.44	49	136776	19.751	ug/l	100
29) Tetrahydrofuran	6.47	42	114852	104.502	ug/l	93
30) Chloroform	6.66	83	447015	21.048	ug/l	96
31) Cyclohexane	6.95	56	221253	20.858	ug/l	99
32) 1,1,1-Trichloroethane	6.87	97	439216	21.619	ug/l	96
36) 1,1-Dichloropropene	7.14	75	289029	20.702	ug/l	95
37) Ethyl Acetate	6.18	43	120376	20.576	ug/l #	94
38) Carbon Tetrachloride	7.11	117	453547	21.555	ug/l	95

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39) Methylcyclohexane	8.87	83	233129	19.637	ug/l	97
40) Benzene	7.45	78	625333	20.353	ug/l	99
41) Methacrylonitrile	6.45	41	154703	21.002	ug/l #	90
42) 1,2-Dichloroethane	7.58	62	329668	21.339	ug/l	97
43) Isopropyl Acetate	9.24	43	164828	21.037	ug/l #	100
44) Trichloroethene	8.54	130	244365	20.809	ug/l	92
45) 1,2-Dichloropropane	8.94	63	156201	21.831	ug/l	92
46) Dibromomethane	9.06	93	120521	19.725	ug/l	92
47) Bromodichloromethane	9.37	83	323796	20.659	ug/l	99
48) Methyl methacrylate	9.12	41	102266	19.246	ug/l	93
49) 1,4-Dioxane	9.08	88	18970	414.632	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	571100	106.519	ug/l	95
52) Toluene	10.51	92	428170	21.637	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	281174	21.983	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	299408	20.760	ug/l	97
55) 1,1,2-Trichloroethane	11.19	97	141536	21.173	ug/l	95
56) Ethyl methacrylate	11.04	69	152758	21.054	ug/l	97
57) 1,3-Dichloropropane	11.41	76	218188	21.593	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.85	63	383182	100.036	ug/l	100
59) 2-Hexanone	11.53	43	415787	106.580	ug/l	98
60) Dibromochloromethane	11.68	129	265762	21.849	ug/l	97
61) 1,2-Dibromoethane	11.80	107	167539	20.703	ug/l	99
64) Tetrachloroethene	11.26	164	212564	21.677	ug/l	96
65) Chlorobenzene	12.40	112	526207	22.102	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	220696	21.063	ug/l	91
67) Ethyl Benzene	12.52	91	863090	20.850	ug/l	99
68) m/p-Xylenes	12.67	106	628722	43.230	ug/l	99
69) o-Xylene	13.04	106	306571	21.901	ug/l	99
70) Styrene	13.07	104	530034	21.287	ug/l	97
71) Bromoform	13.23	173	151951	21.150	ug/l #	97
73) Isopropylbenzene	13.41	105	986781	21.635	ug/l	100
74) N-amyl acetate	13.27	43	210932	18.422	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.70	83	156059	20.614	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	177403	21.556	ug/l	99
77) Bromobenzene	13.67	156	255339	20.484	ug/l	88
78) n-propylbenzene	13.77	91	1039232	19.474	ug/l	97
79) 2-Chlorotoluene	13.84	91	620762	20.174	ug/l	87
80) 1,3,5-Trimethylbenzene	13.93	105	778070	19.524	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	43660	19.738	ug/l	94
82) 4-Chlorotoluene	13.95	91	726662	19.639	ug/l	93
83) tert-Butylbenzene	14.18	119	914483	21.791	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	783522	21.249	ug/l	94
85) sec-Butylbenzene	14.37	105	883952	19.834	ug/l	98
86) p-Isopropyltoluene	14.49	119	872222	20.469	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	437202	19.390	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	461442	21.330	ug/l	96
89) n-Butylbenzene	14.79	91	791833	20.360	ug/l	94
90) Hexachloroethane	15.00	117	217212	20.280	ug/l	79
91) 1,2-Dichlorobenzene	14.80	146	407224	21.287	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	29163	20.458	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	302697	21.504	µg/l	94
94) Hexachlorobutadiene	16.03	225	206754	19.272	µg/l	95
95) Naphthalene	16.12	128	361278	16.935	µg/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	220591	19.402	µg/l	98

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

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