

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063574.D
 Acq On : 14 Aug 2019 15:22
 Operator : JC/SY
 Sample : VD0814SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Quant Time: Aug 15 11:59:28 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	7.05	168	1131508	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1632584	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.38	117	1347112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	693461	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	640482	52.95	ug/l	-0.01
Spiked Amount			Recovery	=	105.90%	
35) Dibromofluoromethane	6.93	113	712482	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	10.42	98	1664618	55.07	ug/l	0.00
Spiked Amount			Recovery	=	110.14%	
62) 4-Bromofluorobenzene	13.56	95	732008	53.43	ug/l	0.00
Spiked Amount			Recovery	=	106.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	265531	19.397	ug/l	95
3) Chloromethane	1.75	50	223587	20.905	ug/l	97
4) Vinyl Chloride	1.85	62	210140	19.792	ug/l	100
5) Bromomethane	2.15	94	83674	16.702	ug/l	98
6) Chloroethane	2.26	64	94599	19.483	ug/l	99
7) Trichlorofluoromethane	2.52	101	430039	20.649	ug/l	98
8) Diethyl Ether	2.88	74	61487	20.911	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	249071	20.254	ug/l	95
10) Methyl Iodide	3.30	142	328138	18.859	ug/l	95
11) Tert butyl alcohol	4.10	59	53660	101.915	ug/l #	92
12) 1,1-Dichloroethene	3.12	96	172512	18.868	ug/l	88
13) Acrolein	3.04	56	49318	95.161	ug/l	88
14) Allyl chloride	3.62	41	282688	20.567	ug/l	93
15) Acrylonitrile	4.21	53	157007	112.581	ug/l	93
16) Acetone	3.23	43	240747	97.918	ug/l #	91
17) Carbon Disulfide	3.37	76	585195	20.280	ug/l	98
18) Methyl Acetate	3.66	43	94224	20.233	ug/l #	88
19) Methyl tert-butyl Ether	4.25	73	414540	22.671	ug/l	97
20) Methylene Chloride	3.82	84	216117	20.328	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	216957	22.549	ug/l	98
22) Diisopropyl ether	5.12	45	583474	20.572	ug/l	94
23) Vinyl Acetate	5.06	43	1762242	106.876	ug/l	99
24) 1,1-Dichloroethane	4.99	63	385331	21.905	ug/l	99
25) 2-Butanone	6.09	43	249997	102.953	ug/l	92
26) 2,2-Dichloropropane	6.03	77	358068	20.436	ug/l	93
27) cis-1,2-Dichloroethene	6.05	96	223511	21.233	ug/l	95
28) Bromochloromethane	6.45	49	149455	20.963	ug/l	96
29) Tetrahydrofuran	6.47	42	122154	107.957	ug/l	96
30) Chloroform	6.67	83	435838	19.933	ug/l	98
31) Cyclohexane	6.96	56	242490	22.204	ug/l	91
32) 1,1,1-Trichloroethane	6.87	97	420165	20.088	ug/l	95
36) 1,1-Dichloropropene	7.16	75	289686	20.072	ug/l	98
37) Ethyl Acetate	6.20	43	124789	20.634	ug/l	98
38) Carbon Tetrachloride	7.12	117	422128	19.407	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	239573	19.521	ug/l	93
40) Benzene	7.46	78	640791	20.176	ug/l	99
41) Methacrylonitrile	6.46	41	163713	21.500	ug/l	97
42) 1,2-Dichloroethane	7.58	62	322661	20.204	ug/l	100
43) Isopropyl Acetate	9.25	43	171146	21.130	ug/l #	93
44) Trichloroethene	8.55	130	242565	19.981	ug/l	95
45) 1,2-Dichloropropane	8.94	63	144488	19.535	ug/l	100
46) Dibromomethane	9.07	93	127685	20.215	ug/l	96
47) Bromodichloromethane	9.38	83	330288	20.386	ug/l	99
48) Methyl methacrylate	9.13	41	113079	20.586	ug/l	92
49) 1,4-Dioxane	9.09	88	19945	421.290	ug/l #	84
51) 4-Methyl-2-Pentanone	10.31	43	586833	105.881	ug/l	96
52) Toluene	10.52	92	411458	20.113	ug/l	97
53) t-1,3-Dichloropropene	10.92	75	282858	21.392	ug/l	97
54) cis-1,3-Dichloropropene	10.05	75	296696	19.900	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	137261	19.863	ug/l	97
56) Ethyl methacrylate	11.05	69	154764	20.634	ug/l	95
57) 1,3-Dichloropropane	11.41	76	214297	20.516	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	382985	96.721	ug/l	100
59) 2-Hexanone	11.54	43	426552	105.771	ug/l	100
60) Dibromochloromethane	11.70	129	259380	20.628	ug/l	99
61) 1,2-Dibromoethane	11.82	107	172979	20.678	ug/l	93
64) Tetrachloroethene	11.27	164	211173	20.306	ug/l	95
65) Chlorobenzene	12.41	112	495984	19.644	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	226797	20.411	ug/l	96
67) Ethyl Benzene	12.54	91	931652	21.222	ug/l	98
68) m/p-Xylenes	12.67	106	647773	41.999	ug/l	86
69) o-Xylene	13.06	106	279301	18.815	ug/l	98
70) Styrene	13.08	104	545760	20.669	ug/l	98
71) Bromoform	13.24	173	160282	21.037	ug/l	97
73) Isopropylbenzene	13.41	105	940007	21.311	ug/l	100
74) N-amyl acetate	13.27	43	239290	21.611	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	159479	21.783	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	167692	21.070	ug/l	99
77) Bromobenzene	13.68	156	264020	21.902	ug/l	89
78) n-propylbenzene	13.79	91	944055	18.293	ug/l	98
79) 2-Chlorotoluene	13.84	91	604221	20.306	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	813862	21.118	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	41141	19.233	ug/l #	91
82) 4-Chlorotoluene	13.95	91	743147	20.769	ug/l	98
83) tert-Butylbenzene	14.20	119	862618	21.256	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	807589	22.648	ug/l	92
85) sec-Butylbenzene	14.38	105	968056	22.462	ug/l	96
86) p-Isopropyltoluene	14.49	119	849771	20.621	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	439038	20.135	ug/l	94
88) 1,4-Dichlorobenzene	14.54	146	443281	21.189	ug/l	97
89) n-Butylbenzene	14.80	91	778580	20.702	ug/l	95
90) Hexachloroethane	15.02	117	205954	19.884	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	397166	21.469	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	29645	21.505	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	292986	21.523	ug/l	92
94) Hexachlorobutadiene	16.04	225	210079	20.249	ug/l	99
95) Naphthalene	16.13	128	457404	22.172	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	236672	21.526	ug/l	95

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

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