

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082219\
 Data File : VD063731.D
 Acq On : 22 Aug 2019 14:11
 Operator : JC/SY
 Sample : VD0822SBSD01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0822SBSD01

Quant Time: Aug 23 06:57:29 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	882436	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1262438	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1025087	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	542419	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	566989	60.11	ug/l	-0.01
Spiked Amount			Recovery	=	120.22%	
35) Dibromofluoromethane	6.92	113	637007	59.91	ug/l	-0.01
Spiked Amount			Recovery	=	119.82%	
50) Toluene-d8	10.42	98	1365689	58.42	ug/l	0.00
Spiked Amount			Recovery	=	116.84%	
62) 4-Bromofluorobenzene	13.56	95	548555	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	227468	21.307	ug/l	92
3) Chloromethane	1.74	50	190154	22.797	ug/l	99
4) Vinyl Chloride	1.84	62	170630	20.606	ug/l	96
5) Bromomethane	2.15	94	76114	19.481	ug/l	92
6) Chloroethane	2.26	64	87882	23.209	ug/l	94
7) Trichlorofluoromethane	2.52	101	361090	22.232	ug/l	95
8) Diethyl Ether	2.87	74	50007	21.807	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.14	101	201642	21.025	ug/l	90
10) Methyl Iodide	3.30	142	258955	19.083	ug/l #	91
11) Tert butyl alcohol	4.09	59	50111	122.038	ug/l	100
12) 1,1-Dichloroethene	3.12	96	148769	20.864	ug/l	89
13) Acrolein	3.03	56	30559	75.608	ug/l #	82
14) Allyl chloride	3.62	41	247207	23.062	ug/l	94
15) Acrylonitrile	4.20	53	122810	112.915	ug/l	91
16) Acetone	3.22	43	194763	101.574	ug/l	93
17) Carbon Disulfide	3.37	76	469870	20.879	ug/l	98
18) Methyl Acetate	3.64	43	92742	25.535	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	349962	24.541	ug/l	92
20) Methylene Chloride	3.81	84	184776	22.285	ug/l	92
21) trans-1,2-Dichloroethene	4.22	96	172135	22.941	ug/l	97
22) Diisopropyl ether	5.12	45	514659	23.268	ug/l	97
23) Vinyl Acetate	5.06	43	1548288	120.404	ug/l	99
24) 1,1-Dichloroethane	4.98	63	326342	23.788	ug/l	99
25) 2-Butanone	6.08	43	214369	113.198	ug/l	100
26) 2,2-Dichloropropane	6.03	77	303458	22.208	ug/l	88
27) cis-1,2-Dichloroethene	6.04	96	204381	24.896	ug/l	91
28) Bromochloromethane	6.44	49	133466	24.004	ug/l	94
29) Tetrahydrofuran	6.47	42	102829	116.528	ug/l	95
30) Chloroform	6.67	83	398039	23.342	ug/l	98
31) Cyclohexane	6.95	56	176010	20.666	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	379061	23.238	ug/l	99
36) 1,1-Dichloropropene	7.15	75	254307	22.787	ug/l	97
37) Ethyl Acetate	6.19	43	99203	21.213	ug/l #	94
38) Carbon Tetrachloride	7.11	117	362320	21.541	ug/l	97

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39) Methylcyclohexane	8.87	83	198638	20.931	ug/l	96
40) Benzene	7.45	78	554628	22.583	ug/l	99
41) Methacrylonitrile	6.46	41	145022	24.629	ug/l #	89
42) 1,2-Dichloroethane	7.58	62	290956	23.561	ug/l	97
43) Isopropyl Acetate	9.25	43	155123	24.767	ug/l #	90
44) Trichloroethene	8.55	130	212584	22.646	ug/l	86
45) 1,2-Dichloropropane	8.94	63	136359	23.842	ug/l	94
46) Dibromomethane	9.07	93	117828	24.124	ug/l	97
47) Bromodichloromethane	9.37	83	305324	24.370	ug/l	99
48) Methyl methacrylate	9.13	41	94793	22.317	ug/l	98
49) 1,4-Dioxane	9.09	88	17054	463.226	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	501707	117.062	ug/l	91
52) Toluene	10.52	92	366182	23.148	ug/l	93
53) t-1,3-Dichloropropene	10.92	75	244353	23.899	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	265143	22.998	ug/l	93
55) 1,1,2-Trichloroethane	11.20	97	135310	25.322	ug/l	94
56) Ethyl methacrylate	11.05	69	117139	20.197	ug/l	92
57) 1,3-Dichloropropane	11.41	76	180657	22.366	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.87	63	353026	115.295	ug/l	94
59) 2-Hexanone	11.54	43	346923	111.248	ug/l	95
60) Dibromochloromethane	11.69	129	214121	22.021	ug/l	91
61) 1,2-Dibromoethane	11.81	107	155228	23.997	ug/l	92
64) Tetrachloroethene	11.26	164	201294	25.437	ug/l	93
65) Chlorobenzene	12.41	112	492786	25.649	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	200782	23.746	ug/l	89
67) Ethyl Benzene	12.52	91	723058	21.645	ug/l	97
68) m/p-Xylenes	12.67	106	577062	49.168	ug/l	97
69) o-Xylene	13.06	106	262022	23.196	ug/l	93
70) Styrene	13.08	104	475981	23.689	ug/l	98
71) Bromoform	13.23	173	138039	23.809	ug/l	92
73) Isopropylbenzene	13.40	105	796036	23.073	ug/l	96
74) N-amyl acetate	13.26	43	215630	24.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	134653	23.514	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	158694	25.492	ug/l	95
77) Bromobenzene	13.68	156	222719	23.620	ug/l	85
78) n-propylbenzene	13.77	91	930805	23.058	ug/l	94
79) 2-Chlorotoluene	13.84	91	529165	22.735	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	734752	24.374	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	36058	21.551	ug/l	96
82) 4-Chlorotoluene	13.95	91	687872	24.577	ug/l	94
83) tert-Butylbenzene	14.19	119	816574	25.724	ug/l	93
84) 1,2,4-Trimethylbenzene	14.24	105	687777	24.659	ug/l	92
85) sec-Butylbenzene	14.37	105	851436	25.257	ug/l	97
86) p-Isopropyltoluene	14.49	119	768584	23.845	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	425108	24.925	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	399942	24.441	ug/l	95
89) n-Butylbenzene	14.80	91	704921	23.962	ug/l	93
90) Hexachloroethane	15.01	117	198467	24.497	ug/l	92
91) 1,2-Dichlorobenzene	14.81	146	348795	24.104	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	28126	26.085	ug/l	64

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	268223	25.191	µg/l	95
94) Hexachlorobutadiene	16.04	225	180658	22.262	µg/l	98
95) Naphthalene	16.13	128	387806	24.033	µg/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	214690	24.964	µg/l	98

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

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