

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063628.D
 Acq On : 16 Aug 2019 10:50
 Operator : JC/SY
 Sample : VD0816SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0816SBS01

Quant Time: Aug 17 05:58:43 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	7.03	168	1076311	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1516833	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.37	117	1240931	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	630003	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	593213	51.56	ug/l	-0.02
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	6.91	113	629213	49.25	ug/l	-0.02
Spiked Amount			Recovery	=	98.50%	
50) Toluene-d8	10.41	98	1404866	50.02	ug/l	-0.01
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	13.55	95	638293	50.14	ug/l	-0.01
Spiked Amount			Recovery	=	100.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	266557	20.471	ug/l	100
3) Chloromethane	1.74	50	221060	21.728	ug/l	99
4) Vinyl Chloride	1.84	62	220758	21.858	ug/l	95
5) Bromomethane	2.14	94	86946	18.245	ug/l	97
6) Chloroethane	2.25	64	97421	21.093	ug/l #	86
7) Trichlorofluoromethane	2.52	101	414870	20.942	ug/l	95
8) Diethyl Ether	2.87	74	56085	20.052	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.13	101	243347	20.803	ug/l	97
10) Methyl Iodide	3.29	142	291982	17.641	ug/l	98
11) Tert butyl alcohol	4.08	59	58137	116.081	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	177758	20.439	ug/l	97
13) Acrolein	3.03	56	39657	80.444	ug/l	99
14) Allyl chloride	3.61	41	283944	21.718	ug/l	94
15) Acrylonitrile	4.19	53	140160	105.655	ug/l	97
16) Acetone	3.22	43	250901	107.281	ug/l	99
17) Carbon Disulfide	3.36	76	546769	19.920	ug/l	100
18) Methyl Acetate	3.63	43	89586	20.223	ug/l #	87
19) Methyl tert-butyl Ether	4.23	73	383023	22.022	ug/l	98
20) Methylene Chloride	3.80	84	192763	19.061	ug/l	93
21) trans-1,2-Dichloroethene	4.21	96	202051	22.077	ug/l	98
22) Diisopropyl ether	5.11	45	568477	21.071	ug/l	98
23) Vinyl Acetate	5.04	43	1686848	107.550	ug/l	99
24) 1,1-Dichloroethane	4.97	63	352080	21.041	ug/l	96
25) 2-Butanone	6.07	43	229165	99.214	ug/l	94
26) 2,2-Dichloropropane	6.01	77	368392	22.103	ug/l	98
27) cis-1,2-Dichloroethene	6.03	96	206645	20.637	ug/l	93
28) Bromochloromethane	6.42	49	131595	19.404	ug/l	91
29) Tetrahydrofuran	6.45	42	121503	112.888	ug/l	98
30) Chloroform	6.66	83	427942	20.575	ug/l	98
31) Cyclohexane	6.95	56	204968	19.731	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	404221	20.317	ug/l	98
36) 1,1-Dichloropropene	7.14	75	277757	20.714	ug/l	97
37) Ethyl Acetate	6.17	43	130727	23.266	ug/l #	94
38) Carbon Tetrachloride	7.10	117	397925	19.690	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	220330	19.323	ug/l	96
40) Benzene	7.44	78	608910	20.635	ug/l	100
41) Methacrylonitrile	6.44	41	143794	20.325	ug/l	99
42) 1,2-Dichloroethane	7.57	62	310283	20.912	ug/l	98
43) Isopropyl Acetate	9.23	43	156633	20.814	ug/l #	100
44) Trichloroethene	8.53	130	239637	21.246	ug/l	95
45) 1,2-Dichloropropane	8.93	63	152011	22.121	ug/l	94
46) Dibromomethane	9.06	93	119391	20.344	ug/l #	85
47) Bromodichloromethane	9.36	83	306941	20.390	ug/l	98
48) Methyl methacrylate	9.11	41	98290	19.259	ug/l	98
49) 1,4-Dioxane	9.08	88	19616	444.510	ug/l #	79
51) 4-Methyl-2-Pentanone	10.30	43	569398	110.575	ug/l	98
52) Toluene	10.51	92	396609	20.867	ug/l	95
53) t-1,3-Dichloropropene	10.91	75	268923	21.891	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	275337	19.877	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	132456	20.631	ug/l	97
56) Ethyl methacrylate	11.04	69	160468	23.027	ug/l	92
57) 1,3-Dichloropropane	11.40	76	205899	21.216	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	375217	101.991	ug/l	98
59) 2-Hexanone	11.53	43	417205	111.347	ug/l	98
60) Dibromochloromethane	11.68	129	236946	20.282	ug/l	90
61) 1,2-Dibromoethane	11.81	107	161254	20.747	ug/l	98
64) Tetrachloroethene	11.25	164	218429	22.801	ug/l	96
65) Chlorobenzene	12.40	112	497836	21.405	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	218553	21.352	ug/l	99
67) Ethyl Benzene	12.51	91	875519	21.650	ug/l	96
68) m/p-Xylenes	12.66	106	634024	44.625	ug/l	100
69) o-Xylene	13.05	106	274303	20.059	ug/l	99
70) Styrene	13.07	104	507555	20.866	ug/l	98
71) Bromoform	13.23	173	153343	21.848	ug/l	94
73) Isopropylbenzene	13.40	105	896929	22.383	ug/l	99
74) N-amyl acetate	13.26	43	232160	23.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	149456	22.471	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	168694	23.331	ug/l	99
77) Bromobenzene	13.67	156	260023	23.743	ug/l	89
78) n-propylbenzene	13.76	91	1028285	21.932	ug/l	95
79) 2-Chlorotoluene	13.83	91	636657	23.551	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	725611	20.725	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	38248	19.682	ug/l	90
82) 4-Chlorotoluene	13.94	91	710492	21.856	ug/l	99
83) tert-Butylbenzene	14.19	119	872607	23.668	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	762101	23.525	ug/l	93
85) sec-Butylbenzene	14.37	105	848424	21.669	ug/l	99
86) p-Isopropyltoluene	14.48	119	874250	23.352	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	447546	22.592	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	406489	21.388	ug/l	98
89) n-Butylbenzene	14.80	91	744056	21.776	ug/l	94
90) Hexachloroethane	15.01	117	212849	22.620	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	374795	22.300	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27401	21.879	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	299947	24.254	ug/l	94
94) Hexachlorobutadiene	16.03	225	199611	21.178	ug/l	99
95) Naphthalene	16.12	128	396504	21.156	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	211229	21.147	ug/l	95

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

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