

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081319\
 Data File : VD063525.D
 Acq On : 13 Aug 2019 14:20
 Operator : JC/SY
 Sample : VD0813SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Quant Time: Aug 14 08:27:15 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	1149730	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.22	114	1654076	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.37	117	1410894	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	724833	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	645292	52.51	ug/l	-0.01
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	6.92	113	697927	50.10	ug/l	-0.01
Spiked Amount			Recovery	=	100.20%	
50) Toluene-d8	10.42	98	1530613	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	13.56	95	643122	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	279498	20.094	ug/l	100
3) Chloromethane	1.75	50	236412	21.754	ug/l	96
4) Vinyl Chloride	1.84	62	232850	21.583	ug/l	94
5) Bromomethane	2.15	94	91024	17.881	ug/l	92
6) Chloroethane	2.26	64	95025	19.261	ug/l	92
7) Trichlorofluoromethane	2.53	101	417295	19.719	ug/l	98
8) Diethyl Ether	2.88	74	63043	21.100	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	247014	19.768	ug/l	93
10) Methyl Iodide	3.30	142	314728	17.801	ug/l #	98
11) Tert butyl alcohol	4.09	59	60104	112.345	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	187959	20.232	ug/l	98
13) Acrolein	3.03	56	54012	102.566	ug/l #	76
14) Allyl chloride	3.62	41	287234	20.567	ug/l	96
15) Acrylonitrile	4.21	53	163702	115.521	ug/l	97
16) Acetone	3.23	43	231699	92.744	ug/l	93
17) Carbon Disulfide	3.37	76	609917	20.802	ug/l	100
18) Methyl Acetate	3.65	43	111441	23.550	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	431751	23.238	ug/l	95
20) Methylene Chloride	3.82	84	221480	20.502	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	217619	22.260	ug/l	97
22) Diisopropyl ether	5.13	45	649211	22.527	ug/l	98
23) Vinyl Acetate	5.06	43	1878293	112.109	ug/l	98
24) 1,1-Dichloroethane	4.98	63	391530	21.904	ug/l	98
25) 2-Butanone	6.09	43	245467	99.485	ug/l #	89
26) 2,2-Dichloropropane	6.03	77	365467	20.528	ug/l	95
27) cis-1,2-Dichloroethene	6.04	96	225419	21.075	ug/l	95
28) Bromochloromethane	6.44	49	146286	20.193	ug/l	94
29) Tetrahydrofuran	6.47	42	128698	111.937	ug/l	97
30) Chloroform	6.68	83	452654	20.374	ug/l	92
31) Cyclohexane	6.95	56	223721	20.161	ug/l #	94
32) 1,1,1-Trichloroethane	6.87	97	418650	19.698	ug/l	96
36) 1,1-Dichloropropene	7.15	75	305224	20.874	ug/l	94
37) Ethyl Acetate	6.19	43	123328	20.128	ug/l #	90
38) Carbon Tetrachloride	7.11	117	442193	20.065	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	248591	19.993	ug/l	98
40) Benzene	7.45	78	664871	20.662	ug/l	94
41) Methacrylonitrile	6.46	41	166733	21.612	ug/l #	97
42) 1,2-Dichloroethane	7.58	62	336657	20.807	ug/l	98
43) Isopropyl Acetate	9.25	43	188238	22.938	ug/l #	97
44) Trichloroethene	8.55	130	240644	19.565	ug/l	93
45) 1,2-Dichloropropane	8.94	63	164336	21.930	ug/l	99
46) Dibromomethane	9.07	93	140138	21.898	ug/l	92
47) Bromodichloromethane	9.38	83	336753	20.515	ug/l	97
48) Methyl methacrylate	9.13	41	119820	21.530	ug/l	91
49) 1,4-Dioxane	9.08	88	20425	425.557	ug/l #	65
51) 4-Methyl-2-Pentanone	10.31	43	622528	110.861	ug/l	96
52) Toluene	10.52	92	422222	20.371	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	278825	20.813	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	312370	20.679	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	142886	20.409	ug/l	95
56) Ethyl methacrylate	11.05	69	151510	19.938	ug/l	96
57) 1,3-Dichloropropane	11.41	76	233420	22.056	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	391799	97.661	ug/l	92
59) 2-Hexanone	11.54	43	452219	110.678	ug/l	98
60) Dibromochloromethane	11.69	129	275577	21.631	ug/l	93
61) 1,2-Dibromoethane	11.81	107	175757	20.737	ug/l	92
64) Tetrachloroethene	11.26	164	214678	19.710	ug/l	97
65) Chlorobenzene	12.41	112	553322	20.925	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	229894	19.754	ug/l	97
67) Ethyl Benzene	12.52	91	902192	19.622	ug/l	98
68) m/p-Xylenes	12.67	106	673556	41.696	ug/l	95
69) o-Xylene	13.06	106	326425	20.995	ug/l	92
70) Styrene	13.08	104	526136	19.025	ug/l	98
71) Bromoform	13.23	173	162110	20.315	ug/l #	99
73) Isopropylbenzene	13.41	105	1000143	21.693	ug/l	98
74) N-amyl acetate	13.27	43	235086	20.313	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	172144	22.496	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	172182	20.698	ug/l	94
77) Bromobenzene	13.68	156	269581	21.395	ug/l	82
78) n-propylbenzene	13.77	91	1006581	18.660	ug/l	95
79) 2-Chlorotoluene	13.84	91	639844	20.572	ug/l	93
80) 1,3,5-Trimethylbenzene	13.93	105	822480	20.418	ug/l	92
81) trans-1,4-Dichloro-2-buten	13.48	75	44185	19.762	ug/l	97
82) 4-Chlorotoluene	13.95	91	748022	20.000	ug/l	96
83) tert-Butylbenzene	14.19	119	901412	21.250	ug/l	90
84) 1,2,4-Trimethylbenzene	14.24	105	788246	21.149	ug/l	91
85) sec-Butylbenzene	14.38	105	917996	20.378	ug/l	97
86) p-Isopropyltoluene	14.49	119	862687	20.029	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	464244	20.369	ug/l	93
88) 1,4-Dichlorobenzene	14.54	146	432643	19.786	ug/l	98
89) n-Butylbenzene	14.80	91	773841	19.685	ug/l	95
90) Hexachloroethane	15.02	117	221316	20.443	ug/l	79
91) 1,2-Dichlorobenzene	14.81	146	398504	20.609	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27553	19.122	ug/l	71

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93) 1,2,4-Trichlorobenzene	15.95	180	287372	20.197	ug/l	94
94) Hexachlorobutadiene	16.04	225	199821	18.427	ug/l	97
95) Naphthalene	16.13	128	434964	20.171	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	230943	20.096	ug/l	97

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

