

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082319\
 Data File : VD063778.D
 Acq On : 23 Aug 2019 20:38
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 26 11:14:58 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	909038	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1328915	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1119940	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	607496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	582353	59.93	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.86%	
35) Dibromofluoromethane	6.92	113	613595	54.82	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.64%	
50) Toluene-d8	10.41	98	1324834	53.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.68%	
62) 4-Bromofluorobenzene	13.56	95	573115	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	502824	45.721	ug/l	100
3) Chloromethane	1.74	50	410922	47.823	ug/l	94
4) Vinyl Chloride	1.84	62	387355	45.411	ug/l	96
5) Bromomethane	2.15	94	193187	47.998	ug/l	99
6) Chloroethane	2.25	64	229971	58.956	ug/l	91
7) Trichlorofluoromethane	2.52	101	935033	55.884	ug/l	99
8) Diethyl Ether	2.87	74	160095	67.770	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	505329	51.148	ug/l	94
10) Methyl Iodide	3.29	142	663080	47.434	ug/l	98
11) Tert butyl alcohol	4.08	59	122243	288.993	ug/l	95
12) 1,1-Dichloroethene	3.11	96	362738	49.383	ug/l	98
13) Acrolein	3.02	56	115805	278.135	ug/l	95
14) Allyl chloride	3.60	41	560780	50.785	ug/l	98
15) Acrylonitrile	4.19	53	336897	300.689	ug/l	92
16) Acetone	3.22	43	515988	261.226	ug/l	98
17) Carbon Disulfide	3.37	76	973593	41.997	ug/l	98
18) Methyl Acetate	3.63	43	228100	60.966	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	958486	65.248	ug/l	100
20) Methylene Chloride	3.80	84	448501	52.510	ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	420436	54.392	ug/l	88
22) Diisopropyl ether	5.12	45	1313985	57.666	ug/l	98
23) Vinyl Acetate	5.05	43	3978075	300.305	ug/l	99
24) 1,1-Dichloroethane	4.97	63	808779	57.228	ug/l	99
25) 2-Butanone	6.06	43	571289	292.844	ug/l	96
26) 2,2-Dichloropropane	6.02	77	772715	54.894	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	485159	57.368	ug/l	95
28) Bromochloromethane	6.43	49	331813	57.931	ug/l	96
29) Tetrahydrofuran	6.46	42	256886	282.591	ug/l	97
30) Chloroform	6.66	83	973367	55.410	ug/l	93
31) Cyclohexane	6.95	56	419447	47.808	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	958445	57.037	ug/l	98
36) 1,1-Dichloropropene	7.14	75	618925	52.684	ug/l	96
37) Ethyl Acetate	6.18	43	281998	57.285	ug/l #	95
38) Carbon Tetrachloride	7.11	117	974204	55.023	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	480829	48.133	ug/l	100
40) Benzene	7.44	78	1306540	50.537	ug/l	97
41) Methacrylonitrile	6.44	41	357166	57.624	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	711597	54.740	ug/l	99
43) Isopropyl Acetate	9.23	43	411201	62.368	ug/l #	99
44) Trichloroethene	8.54	130	514173	52.033	ug/l	99
45) 1,2-Dichloropropane	8.94	63	331698	55.094	ug/l	95
46) Dibromomethane	9.06	93	300187	58.386	ug/l	88
47) Bromodichloromethane	9.37	83	812188	61.584	ug/l	99
48) Methyl methacrylate	9.12	41	257150	57.511	ug/l	98
49) 1,4-Dioxane	9.08	88	42677	1067.143	ug/l #	81
51) 4-Methyl-2-Pentanone	10.30	43	1382635	306.470	ug/l	95
52) Toluene	10.50	92	883903	53.081	ug/l	97
53) t-1,3-Dichloropropene	10.91	75	660618	61.379	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	688723	56.750	ug/l	94
55) 1,1,2-Trichloroethane	11.19	97	318406	56.607	ug/l	98
56) Ethyl methacrylate	11.05	69	360467	59.042	ug/l	96
57) 1,3-Dichloropropane	11.41	76	511484	60.157	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.85	63	1066360	330.843	ug/l	100
59) 2-Hexanone	11.53	43	976285	297.405	ug/l	92
60) Dibromochloromethane	11.69	129	653817	63.878	ug/l	98
61) 1,2-Dibromoethane	11.80	107	394673	57.960	ug/l	94
64) Tetrachloroethene	11.25	164	474337	54.864	ug/l	96
65) Chlorobenzene	12.39	112	1140306	54.325	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	535930	58.015	ug/l	99
67) Ethyl Benzene	12.52	91	2017576	55.280	ug/l	100
68) m/p-Xylenes	12.67	106	1367601	106.656	ug/l	96
69) o-Xylene	13.04	106	609746	49.407	ug/l	97
70) Styrene	13.07	104	1108120	50.478	ug/l	98
71) Bromoform	13.23	173	406491	64.173	ug/l	96
73) Isopropylbenzene	13.40	105	1920229	49.695	ug/l	98
74) N-amyl acetate	13.26	43	545638	56.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	371045	57.853	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	423486	60.741	ug/l	100
77) Bromobenzene	13.66	156	566042	53.600	ug/l	95
78) n-propylbenzene	13.77	91	2209232	48.866	ug/l	95
79) 2-Chlorotoluene	13.84	91	1406647	53.962	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1652417	48.944	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	105142	56.109	ug/l	98
82) 4-Chlorotoluene	13.95	91	1637820	52.250	ug/l	91
83) tert-Butylbenzene	14.19	119	1932208	54.349	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1577302	50.493	ug/l	94
85) sec-Butylbenzene	14.36	105	1911812	50.637	ug/l	99
86) p-Isopropyltoluene	14.49	119	1893077	52.440	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	994683	52.073	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	1009502	55.083	ug/l	97
89) n-Butylbenzene	14.80	91	1769058	53.693	ug/l	92
90) Hexachloroethane	15.00	117	438451	48.322	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	906943	55.962	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	71582	59.275	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	696941	58.443	ug/l	96
94) Hexachlorobutadiene	16.04	225	521549	57.385	ug/l	97
95) Naphthalene	16.13	128	905659	50.112	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	569523	59.129	ug/l	97

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

