

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063653.D
 Acq On : 19 Aug 2019 13:14
 Operator : JC/SY
 Sample : VD0819SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0819SBS01

Quant Time: Aug 20 08:13:29 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	1135265	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.22	114	1529426	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1214693	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	695525	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	569918	46.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.92%	
35) Dibromofluoromethane	6.92	113	646321	50.18	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.40	98	1460568	51.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	13.55	95	620279	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	272520	19.842	ug/l	95
3) Chloromethane	1.74	50	214221	19.963	ug/l	95
4) Vinyl Chloride	1.85	62	224947	21.116	ug/l	95
5) Bromomethane	2.14	94	104111	20.712	ug/l	99
6) Chloroethane	2.25	64	103052	21.154	ug/l #	88
7) Trichlorofluoromethane	2.53	101	406890	19.473	ug/l	95
8) Diethyl Ether	2.87	74	53616	18.173	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	256863	20.818	ug/l	97
10) Methyl Iodide	3.29	142	327337	18.750	ug/l #	96
11) Tert butyl alcohol	4.08	59	53085	100.489	ug/l #	82
12) 1,1-Dichloroethene	3.13	96	187217	20.409	ug/l	98
13) Acrolein	3.04	56	33928	65.249	ug/l #	62
14) Allyl chloride	3.61	41	298907	21.675	ug/l	95
15) Acrylonitrile	4.19	53	134675	96.248	ug/l	98
16) Acetone	3.22	43	218958	88.761	ug/l #	92
17) Carbon Disulfide	3.36	76	562874	19.442	ug/l	97
18) Methyl Acetate	3.64	43	93193	19.945	ug/l	100
19) Methyl tert-butyl Ether	4.24	73	373205	20.343	ug/l	98
20) Methylene Chloride	3.81	84	204125	19.136	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	196851	20.392	ug/l	91
22) Diisopropyl ether	5.12	45	568874	19.991	ug/l	98
23) Vinyl Acetate	5.05	43	1631551	98.622	ug/l	100
24) 1,1-Dichloroethane	4.98	63	358588	20.317	ug/l	99
25) 2-Butanone	6.07	43	227871	93.531	ug/l	98
26) 2,2-Dichloropropane	6.01	77	354360	20.157	ug/l	95
27) cis-1,2-Dichloroethene	6.03	96	214840	20.342	ug/l	96
28) Bromochloromethane	6.44	49	127715	17.854	ug/l	95
29) Tetrahydrofuran	6.46	42	106219	93.563	ug/l	96
30) Chloroform	6.66	83	425957	19.416	ug/l	99
31) Cyclohexane	6.95	56	226273	20.651	ug/l	92
32) 1,1,1-Trichloroethane	6.87	97	445417	21.225	ug/l	97
36) 1,1-Dichloropropene	7.13	75	300913	22.256	ug/l #	90
37) Ethyl Acetate	6.18	43	106342	18.770	ug/l	98
38) Carbon Tetrachloride	7.10	117	446821	21.928	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	230662	20.063	ug/l	98
40) Benzene	7.45	78	640212	21.517	ug/l	96
41) Methacrylonitrile	6.44	41	140236	19.659	ug/l	98
42) 1,2-Dichloroethane	7.58	62	323529	21.625	ug/l	95
43) Isopropyl Acetate	9.24	43	150564	19.843	ug/l #	94
44) Trichloroethene	8.53	130	241196	21.209	ug/l	97
45) 1,2-Dichloropropane	8.94	63	149775	21.616	ug/l #	88
46) Dibromomethane	9.06	93	122945	20.778	ug/l	89
47) Bromodichloromethane	9.38	83	325577	21.450	ug/l	97
48) Methyl methacrylate	9.11	41	103186	20.052	ug/l	95
49) 1,4-Dioxane	9.08	88	16906	383.539	ug/l #	51
51) 4-Methyl-2-Pentanone	10.29	43	512926	98.788	ug/l	98
52) Toluene	10.51	92	399582	20.850	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	262319	21.177	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	295995	21.192	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	136441	21.077	ug/l	94
56) Ethyl methacrylate	11.04	69	145237	20.670	ug/l	98
57) 1,3-Dichloropropane	11.41	76	200918	20.532	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	353886	95.400	ug/l	96
59) 2-Hexanone	11.53	43	401816	106.357	ug/l	96
60) Dibromochloromethane	11.68	129	245272	20.822	ug/l	97
61) 1,2-Dibromoethane	11.80	107	160651	20.499	ug/l	92
64) Tetrachloroethene	11.26	164	217217	23.165	ug/l	91
65) Chlorobenzene	12.40	112	483946	21.257	ug/l	93
66) 1,1,1,2-Tetrachloroethane	12.51	131	215615	21.520	ug/l	99
67) Ethyl Benzene	12.52	91	886517	22.395	ug/l	98
68) m/p-Xylenes	12.67	106	652634	46.927	ug/l	98
69) o-Xylene	13.04	106	284020	21.219	ug/l	99
70) Styrene	13.07	104	497775	20.906	ug/l	97
71) Bromoform	13.24	173	149325	21.735	ug/l	95
73) Isopropylbenzene	13.40	105	926975	20.954	ug/l	99
74) N-amyl acetate	13.27	43	215264	19.384	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	144992	19.746	ug/l	94
76) 1,2,3-Trichloropropane	13.73	75	168209	21.073	ug/l	99
77) Bromobenzene	13.67	156	250356	20.706	ug/l	88
78) n-propylbenzene	13.77	91	1099004	21.232	ug/l	95
79) 2-Chlorotoluene	13.84	91	611148	20.478	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	817659	21.154	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	41447	19.319	ug/l	88
82) 4-Chlorotoluene	13.95	91	751200	20.932	ug/l	96
83) tert-Butylbenzene	14.18	119	881820	21.664	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	821789	22.978	ug/l	91
85) sec-Butylbenzene	14.37	105	877368	20.297	ug/l	95
86) p-Isopropyltoluene	14.49	119	862481	20.868	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	471335	21.552	ug/l	92
88) 1,4-Dichlorobenzene	14.54	146	458969	21.874	ug/l	95
89) n-Butylbenzene	14.79	91	826232	21.903	ug/l	95
90) Hexachloroethane	15.01	117	226386	21.792	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	406627	21.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	26754	19.350	ug/l	66

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	283816	20.787	ug/l	96
94) Hexachlorobutadiene	16.03	225	199852	19.206	ug/l	93
95) Naphthalene	16.12	128	405006	19.574	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	220300	19.977	ug/l	97

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

