

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022119\
 Data File : VD060886.D
 Acq On : 21 Feb 2019 17:26
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 22 07:42:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1948521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	2669331	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	2288910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1238232	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.20	65	150643	7.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.20%	
35) Dibromofluoromethane	6.67	113	214276	10.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.98%	
50) Toluene-d8	10.17	98	590553	11.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.28%	
62) 4-Bromofluorobenzene	13.35	95	222244	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	235926	8.526	ug/l 98
3) Chloromethane	1.74	50	148755	8.487	ug/l 96
4) Vinyl Chloride	1.84	62	117309	7.998	ug/l 100
5) Bromomethane	2.12	94	34477	4.419	ug/l 96
6) Chloroethane	2.23	64	36643	5.218	ug/l 92
7) Trichlorofluoromethane	2.48	101	184671	5.963	ug/l 97
8) Diethyl Ether	2.79	74	78948	15.731	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.05	101	228768	13.450	ug/l 97
10) Methyl Iodide	3.20	142	319697	15.830	ug/l 98
11) Tert butyl alcohol	3.89	59	47419	44.076	ug/l 98
12) 1,1-Dichloroethene	3.04	96	200056	16.355	ug/l 97
13) Acrolein	2.95	56	73161	70.585	ug/l 98
14) Allyl chloride	3.49	41	361806	13.160	ug/l 97
15) Acrylonitrile	4.02	53	175524	44.586	ug/l 98
16) Acetone	3.12	43	201539	47.725	ug/l 95
17) Carbon Disulfide	3.27	76	745886	16.554	ug/l 99
18) Methyl Acetate	3.50	43	87565	12.379	ug/l 92
19) Methyl tert-butyl Ether	4.06	73	388204	9.411	ug/l 98
20) Methylene Chloride	3.67	84	302486	11.468	ug/l 97
21) trans-1,2-Dichloroethene	4.04	96	225556	11.034	ug/l 96
22) Diisopropyl ether	4.87	45	693340	9.400	ug/l 97
23) Vinyl Acetate	4.81	43	1856193	42.504	ug/l 100
24) 1,1-Dichloroethane	4.75	63	342661	8.647	ug/l 98
25) 2-Butanone	5.81	43	273651	43.651	ug/l 98
26) 2,2-Dichloropropane	5.77	77	317324	8.530	ug/l 97
27) cis-1,2-Dichloroethene	5.79	96	238939	11.288	ug/l 100
28) Bromochloromethane	6.19	49	144738	8.561	ug/l 98
29) Tetrahydrofuran	6.21	42	152613	48.984	ug/l 97
30) Chloroform	6.40	83	387347	9.288	ug/l 97
31) Cyclohexane	6.71	56	315374	9.479	ug/l 97
32) 1,1,1-Trichloroethane	6.62	97	300338	8.212	ug/l 98
36) 1,1-Dichloropropene	6.90	75	291712	8.965	ug/l 97
37) Ethyl Acetate	5.91	43	120468	7.216	ug/l 98
38) Carbon Tetrachloride	6.87	117	264233	7.946	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	335502	10.612	ug/l	99
40) Benzene	7.21	78	810239	11.014	ug/l	100
41) Methacrylonitrile	6.18	41	71600m	6.286	ug/l	
42) 1,2-Dichloroethane	7.33	62	201437	7.126	ug/l	96
43) Isopropyl Acetate	8.99	43	188033	8.866	ug/l #	99
44) Trichloroethene	8.29	130	241950	11.041	ug/l	98
45) 1,2-Dichloropropane	8.70	63	181561	9.244	ug/l	98
46) Dibromomethane	8.82	93	119940	9.523	ug/l	98
47) Bromodichloromethane	9.13	83	278727	8.844	ug/l	99
48) Methyl methacrylate	8.87	41	103874	7.268	ug/l	99
49) 1,4-Dioxane	8.83	88	22349	210.874	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	565080	41.360	ug/l	99
52) Toluene	10.28	92	468802	11.071	ug/l	98
53) t-1,3-Dichloropropene	10.69	75	263778	9.352	ug/l	94
54) cis-1,3-Dichloropropene	9.80	75	320591	9.909	ug/l	97
55) 1,1,2-Trichloroethane	10.96	97	141279	11.232	ug/l	98
56) Ethyl methacrylate	10.81	69	160490	9.978	ug/l	98
57) 1,3-Dichloropropane	11.19	76	225996	9.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.62	63	400123	49.323	ug/l	96
59) 2-Hexanone	11.31	43	420196	41.755	ug/l	98
60) Dibromochloromethane	11.46	129	210311	10.377	ug/l	100
61) 1,2-Dibromoethane	11.59	107	154292	10.352	ug/l	96
64) Tetrachloroethene	11.03	164	204965	9.532	ug/l	98
65) Chlorobenzene	12.18	112	530638	11.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	204860	9.974	ug/l	99
67) Ethyl Benzene	12.31	91	962819	10.742	ug/l	97
68) m/p-Xylenes	12.46	106	639409	21.226	ug/l	99
69) o-Xylene	12.84	106	307078	10.718	ug/l	98
70) Styrene	12.86	104	521286	11.270	ug/l	97
71) Bromoform	13.03	173	125123	8.346	ug/l	97
73) Isopropylbenzene	13.20	105	809274	8.957	ug/l	98
74) N-amyl acetate	13.06	43	247558	7.548	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.49	83	168104	9.392	ug/l	96
76) 1,2,3-Trichloropropane	13.53	75	175225	8.594	ug/l	100
77) Bromobenzene	13.46	156	231980	9.324	ug/l	79
78) n-propylbenzene	13.57	91	1051925	8.950	ug/l	94
79) 2-Chlorotoluene	13.64	91	598632	9.204	ug/l	99
80) 1,3,5-Trimethylbenzene	14.03	105	697525	9.309	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.26	75	47638	8.849	ug/l	97
82) 4-Chlorotoluene	13.75	91	643177	8.700	ug/l	95
83) tert-Butylbenzene	13.99	119	755822	9.060	ug/l	93
84) 1,2,4-Trimethylbenzene	14.03	105	697525	9.309	ug/l	97
85) sec-Butylbenzene	14.17	105	853578	9.345	ug/l	98
86) p-Isopropyltoluene	14.29	119	741522	9.678	ug/l	97
87) 1,3-Dichlorobenzene	14.26	146	443153	10.314	ug/l	96
88) 1,4-Dichlorobenzene	14.34	146	430826	9.960	ug/l	98
89) n-Butylbenzene	14.60	91	747110	9.547	ug/l	99
90) Hexachloroethane	14.81	117	190973	9.255	ug/l	86
91) 1,2-Dichlorobenzene	14.61	146	380600	10.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.18	75	21891	7.466	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	230637	7.589	ug/l	99
94) Hexachlorobutadiene	15.84	225	154943	5.887	ug/l	98
95) Naphthalene	15.92	128	332781	8.209	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	152591	6.212	ug/l	95

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

