

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041519\
 Data File : VD061798.D
 Acq On : 15 Apr 2019 13:41
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 16 08:19:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 08:14:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.09	168	623775	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.26	114	1043955	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.40	117	825315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	381763	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	111507	21.21	ug/l	0.00
Spiked Amount						
			Recovery	=	42.42%	
35) Dibromofluoromethane	6.97	113	158765	20.13	ug/l	0.00
Spiked Amount						
			Recovery	=	40.26%	
50) Toluene-d8	10.45	98	368834	19.74	ug/l	0.00
Spiked Amount						
			Recovery	=	39.48%	
62) 4-Bromofluorobenzene	13.58	95	160083	21.13	ug/l	0.00
Spiked Amount						
			Recovery	=	42.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	111483	18.214	ug/l	99
3) Chloromethane	1.76	50	102672	21.050	ug/l	95
4) Vinyl Chloride	1.86	62	92692	19.146	ug/l	98
5) Bromomethane	2.17	94	21741	17.525	ug/l	93
6) Chloroethane	2.28	64	29707	17.986	ug/l	99
7) Trichlorofluoromethane	2.54	101	160831	20.525	ug/l	99
8) Diethyl Ether	2.90	74	39995	19.436	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.18	101	143618	20.528	ug/l	97
10) Methyl Iodide	3.34	142	192955	20.453	ug/l	99
11) Tert butyl alcohol	4.11	59	30945	99.863	ug/l #	94
12) 1,1-Dichloroethene	3.16	96	117914	20.037	ug/l	94
13) Acrolein	3.06	56	36424	121.329	ug/l	95
14) Allyl chloride	3.66	41	163740	20.409	ug/l	97
15) Acrylonitrile	4.24	53	102212	105.065	ug/l	96
16) Acetone	3.25	43	119852	92.530	ug/l	99
17) Carbon Disulfide	3.41	76	390531	20.533	ug/l	99
18) Methyl Acetate	3.67	43	52765	20.313	ug/l	97
19) Methyl tert-butyl Ether	4.28	73	226513	20.675	ug/l	97
20) Methylene Chloride	3.85	84	142595	18.244	ug/l	92
21) trans-1,2-Dichloroethene	4.26	96	135121	20.906	ug/l	98
22) Diisopropyl ether	5.17	45	339304	19.819	ug/l	98
23) Vinyl Acetate	5.10	43	950206	103.986	ug/l	100
24) 1,1-Dichloroethane	5.03	63	213378	20.535	ug/l	99
25) 2-Butanone	6.12	43	147530	100.031	ug/l	96
26) 2,2-Dichloropropane	6.07	77	177226	19.712	ug/l	98
27) cis-1,2-Dichloroethene	6.09	96	141112	20.117	ug/l	97
28) Bromochloromethane	6.49	49	82393	20.854	ug/l	99
29) Tetrahydrofuran	6.50	42	72282	100.607	ug/l	98
30) Chloroform	6.71	83	239415	20.641	ug/l	98
31) Cyclohexane	7.00	56	159158	19.993	ug/l	98
32) 1,1,1-Trichloroethane	6.92	97	212104	20.629	ug/l	98
36) 1,1-Dichloropropene	7.19	75	179768	21.069	ug/l	99
37) Ethyl Acetate	6.22	43	71651	19.624	ug/l	94
38) Carbon Tetrachloride	7.16	117	213436	19.218	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	159892	18.049	ug/l	97
40) Benzene	7.50	78	424806	20.739	ug/l	99
41) Methacrylonitrile	6.49	41	84925	19.679	ug/l #	96
42) 1,2-Dichloroethane	7.62	62	140748	19.732	ug/l	99
43) Isopropyl Acetate	9.28	43	95984	18.681	ug/l	95
44) Trichloroethene	8.58	130	154940	19.652	ug/l	99
45) 1,2-Dichloropropane	8.98	63	108909	20.415	ug/l	95
46) Dibromomethane	9.10	93	74601	19.626	ug/l	99
47) Bromodichloromethane	9.41	83	179951	20.520	ug/l	97
48) Methyl methacrylate	9.16	41	63436	21.004	ug/l	95
49) 1,4-Dioxane	9.13	88	14529	440.128	ug/l #	88
51) 4-Methyl-2-Pentanone	10.34	43	325687	103.654	ug/l	99
52) Toluene	10.55	92	266355	20.294	ug/l	99
53) t-1,3-Dichloropropene	10.95	75	156459	19.800	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	188244	20.295	ug/l	98
55) 1,1,2-Trichloroethane	11.23	97	88636	20.042	ug/l	98
56) Ethyl methacrylate	11.08	69	91483	18.848	ug/l	97
57) 1,3-Dichloropropane	11.44	76	131231	19.738	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.90	63	249713	108.162	ug/l	97
59) 2-Hexanone	11.56	43	230836	98.915	ug/l	97
60) Dibromochloromethane	11.72	129	143205	19.790	ug/l	99
61) 1,2-Dibromoethane	11.84	107	105403	19.383	ug/l	99
64) Tetrachloroethene	11.29	164	128042	20.687	ug/l	98
65) Chlorobenzene	12.43	112	314974	20.493	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.54	131	140203	21.767	ug/l	99
67) Ethyl Benzene	12.55	91	564048	22.915	ug/l	98
68) m/p-Xylenes	12.69	106	415218	44.908	ug/l	98
69) o-Xylene	13.08	106	195620	22.510	ug/l	95
70) Styrene	13.10	104	331425	22.162	ug/l	95
71) Bromoform	13.26	173	79321	20.747	ug/l #	98
73) Isopropylbenzene	13.43	105	538817	21.763	ug/l	98
74) N-amyl acetate	13.28	43	137190	20.606	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.73	83	100744	20.585	ug/l	97
76) 1,2,3-Trichloropropane	13.76	75	104002	20.744	ug/l	98
77) Bromobenzene	13.70	156	139807	19.879	ug/l	94
78) n-propylbenzene	13.79	91	605279	21.160	ug/l	99
79) 2-Chlorotoluene	13.86	91	333959	20.104	ug/l	98
80) 1,3,5-Trimethylbenzene	13.95	105	425538	21.661	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.50	75	26760	18.737	ug/l	97
82) 4-Chlorotoluene	13.97	91	407028	21.280	ug/l	98
83) tert-Butylbenzene	14.21	119	481568	20.877	ug/l	99
84) 1,2,4-Trimethylbenzene	14.26	105	431140	21.833	ug/l	100
85) sec-Butylbenzene	14.39	105	510139	21.393	ug/l	100
86) p-Isopropyltoluene	14.51	119	490075	21.965	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	262990	21.420	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	268586	22.130	ug/l	100
89) n-Butylbenzene	14.82	91	431634	21.855	ug/l	98
90) Hexachloroethane	15.03	117	128224	21.085	ug/l	94
91) 1,2-Dichlorobenzene	14.83	146	222513	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.40	75	13625	20.106	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	123677	21.895	ug/l	93
94) Hexachlorobutadiene	16.06	225	89584	21.885	ug/l	98
95) Naphthalene	16.14	128	175543	20.276	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	73919	22.964	ug/l	99

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

