

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009238.D
 Acq On : 19 Mar 2019 13:13
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:03 AM

Quant Time: Mar 20 07:17:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	333567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	509804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	473764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	250520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	526792	148.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	296.94%	
35) Dibromofluoromethane	7.88	113	456197	141.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.14%	
50) Toluene-d8	10.32	98	1773213	150.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.76%	
62) 4-Bromofluorobenzene	12.62	95	663407	153.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	281361	120.226	ug/l	97
3) Chloromethane	2.22	50	386937	160.023	ug/l	96
4) Vinyl Chloride	2.37	62	514318	144.921	ug/l	97
5) Bromomethane	2.77	94	420773	145.385	ug/l	96
6) Chloroethane	2.92	64	414888	150.681	ug/l	100
7) Trichlorofluoromethane	3.25	101	388020	166.900	ug/l	97
8) Diethyl Ether	3.67	74	235461	140.434	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	453927	134.786	ug/l	98
10) Methyl Iodide	4.27	142	671118	138.238	ug/l	98
11) Tert butyl alcohol	5.17	59	161155	782.755	ug/l	98
12) 1,1-Dichloroethene	4.03	96	442311	138.940	ug/l	98
13) Acrolein	3.89	56	120902	719.088	ug/l	98
14) Allyl chloride	4.66	41	703872	149.979	ug/l	99
15) Acrylonitrile	5.36	53	542628	770.082	ug/l	100
16) Acetone	4.12	43	523287	718.859	ug/l	99
17) Carbon Disulfide	4.38	76	1219516	137.413	ug/l	97
18) Methyl Acetate	4.67	43	288244	154.288	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	586503	150.112	ug/l	96
20) Methylene Chloride	4.91	84	443093	130.363	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	470997	143.805	ug/l	95
22) Diisopropyl ether	6.31	45	1569672	155.142	ug/l	97
23) Vinyl Acetate	6.25	43	5288777	833.114	ug/l	100
24) 1,1-Dichloroethane	6.21	63	896038	143.500	ug/l	99
25) 2-Butanone	7.17	43	836869	802.323	ug/l	97
26) 2,2-Dichloropropane	7.16	77	480523	137.730	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	529383	149.194	ug/l	98
28) Bromochloromethane	7.51	49	402992	147.140	ug/l	96
29) Tetrahydrofuran	7.52	42	545119	822.211	ug/l	100
30) Chloroform	7.67	83	929640	143.090	ug/l	99
31) Cyclohexane	7.95	56	796860	136.885	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	737514	142.215	ug/l	98
36) 1,1-Dichloropropene	8.08	75	714783	140.898	ug/l	99
37) Ethyl Acetate	7.25	43	365532	157.903	ug/l	99
38) Carbon Tetrachloride	8.06	117	753247	140.303	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	860316	146.578	ug/l	96
40) Benzene	8.32	78	1964790	142.822	ug/l	100
41) Methacrylonitrile	7.48	41	206350	165.390	ug/l	94
42) 1,2-Dichloroethane	8.40	62	653379	145.291	ug/l	100
43) Isopropyl Acetate	8.42	43	736694	158.928	ug/l	99
44) Trichloroethene	9.09	130	525999	139.572	ug/l	99
45) 1,2-Dichloropropane	9.37	63	501180	143.310	ug/l	97
46) Dibromomethane	9.46	93	280703	145.965	ug/l	98
47) Bromodichloromethane	9.64	83	720609	148.284	ug/l	99
48) Methyl methacrylate	9.43	41	364855	170.008	ug/l	94
49) 1,4-Dioxane	9.45	88	93216	3125.077	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1969531	815.277	ug/l	100
52) Toluene	10.38	92	1309183	150.190	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	758243	160.004	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	816205	153.095	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	382649	146.945	ug/l	98
56) Ethyl methacrylate	10.65	69	536824	173.127	ug/l	97
57) 1,3-Dichloropropane	10.93	76	677352	150.813	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	281551	310.327	ug/l	100
59) 2-Hexanone	10.97	43	1394282	850.134	ug/l	98
60) Dibromochloromethane	11.13	129	486387	151.182	ug/l	99
61) 1,2-Dibromoethane	11.23	107	373428	150.566	ug/l	100
64) Tetrachloroethene	10.86	164	457212	140.917	ug/l	97
65) Chlorobenzene	11.66	112	1398079	142.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	537108	146.760	ug/l	100
67) Ethyl Benzene	11.73	91	2594627	152.889	ug/l	100
68) m/p-Xylenes	11.84	106	1968270	299.225	ug/l	99
69) o-Xylene	12.16	106	947287	155.082	ug/l	99
70) Styrene	12.18	104	1601478	159.015	ug/l	99
71) Bromoform	12.35	173	306552	153.352	ug/l #	99
73) Isopropylbenzene	12.46	105	2667786	159.323	ug/l	100
74) N-amyl acetate	12.27	43	770614	176.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	476308	152.068	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	338713m	133.722	ug/l	
77) Bromobenzene	12.75	156	584612	147.396	ug/l	98
78) n-propylbenzene	12.80	91	3158372	153.580	ug/l	100
79) 2-Chlorotoluene	12.90	91	1778793	152.262	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	2193900	154.069	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	166165	173.189	ug/l	99
82) 4-Chlorotoluene	12.99	91	1873680	152.241	ug/l	99
83) tert-Butylbenzene	13.21	119	1907958	156.789	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2250236	154.142	ug/l	100
85) sec-Butylbenzene	13.38	105	2765306	153.782	ug/l	99
86) p-Isopropyltoluene	13.50	119	2501059	156.192	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1193770	145.447	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1152978	141.085	ug/l	99
89) n-Butylbenzene	13.83	91	2366930	153.988	ug/l	99
90) Hexachloroethane	14.10	117	466928	147.898	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	1063389	144.486	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	87921	156.764	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	733366	148.371	ug/l	100
94) Hexachlorobutadiene	15.24	225	435080	138.397	ug/l	99
95) Naphthalene	15.37	128	1450927	169.425	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	647492	146.753	ug/l	99

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

