

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051619\
 Data File : VW010410.D
 Acq On : 16 May 2019 19:09
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Quant Time: May 17 08:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1045696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1784241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1624473	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	783098	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	113849	10.19	ug/l	0.00
Spiked Amount			Recovery	=	20.38%	
35) Dibromofluoromethane	7.88	113	113079	10.73	ug/l	0.00
Spiked Amount			Recovery	=	21.46%	
50) Toluene-d8	10.32	98	432594	10.22	ug/l	0.00
Spiked Amount			Recovery	=	20.44%	
62) 4-Bromofluorobenzene	12.62	95	167722	11.03	ug/l	0.00
Spiked Amount			Recovery	=	22.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56902	6.984	ug/l	98
3) Chloromethane	2.21	50	79356	7.660	ug/l	99
4) Vinyl Chloride	2.37	62	113181	8.712	ug/l	99
5) Bromomethane	2.77	94	74627	9.750	ug/l	98
6) Chloroethane	2.92	64	64849	8.621	ug/l	91
7) Trichlorofluoromethane	3.25	101	58156	8.788	ug/l	93
8) Diethyl Ether	3.67	74	55971	9.640	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	101286	9.428	ug/l	94
10) Methyl Iodide	4.26	142	161766	10.419	ug/l	99
11) Tert butyl alcohol	5.18	59	43612	53.839	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	103882	9.253	ug/l	97
13) Acrolein	3.89	56	31983	34.042	ug/l	98
14) Allyl chloride	4.65	41	136147	8.337	ug/l	99
15) Acrylonitrile	5.36	53	119517	38.202	ug/l	100
16) Acetone	4.12	43	94521	34.593	ug/l	99
17) Carbon Disulfide	4.38	76	283357	8.493	ug/l	99
18) Methyl Acetate	4.67	43	62849	8.966	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	152198	11.107	ug/l	94
20) Methylene Chloride	4.92	84	124155	10.351	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	118095	9.724	ug/l	95
22) Diisopropyl ether	6.31	45	325688	9.966	ug/l	96
23) Vinyl Acetate	6.25	43	1098992	48.938	ug/l	99
24) 1,1-Dichloroethane	6.21	63	197863	9.055	ug/l	97
25) 2-Butanone	7.17	43	182398	42.185	ug/l	99
26) 2,2-Dichloropropane	7.16	77	106735	9.822	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	138247	10.872	ug/l	100
28) Bromochloromethane	7.51	49	81331	9.740	ug/l	100
29) Tetrahydrofuran	7.53	42	124499	44.303	ug/l	98
30) Chloroform	7.67	83	210900	10.142	ug/l	99
31) Cyclohexane	7.95	56	202075	9.161	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	165992	10.306	ug/l	97
36) 1,1-Dichloropropene	8.07	75	166371	8.897	ug/l	99
37) Ethyl Acetate	7.25	43	80172	8.046	ug/l	97
38) Carbon Tetrachloride	8.06	117	165017	10.005	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	219952	9.567	ug/l	99
40) Benzene	8.32	78	481810	9.306	ug/l	98
41) Methacrylonitrile	7.48	41	46674	8.335	ug/l	97
42) 1,2-Dichloroethane	8.40	62	136949	9.184	ug/l	99
43) Isopropyl Acetate	8.43	43	163791	9.623	ug/l	99
44) Trichloroethene	9.09	130	136277	10.304	ug/l	96
45) 1,2-Dichloropropane	9.37	63	120051	9.311	ug/l	95
46) Dibromomethane	9.46	93	67423	9.926	ug/l	99
47) Bromodichloromethane	9.64	83	171091	10.453	ug/l	97
48) Methyl methacrylate	9.43	41	74545	9.403	ug/l	99
49) 1,4-Dioxane	9.45	88	24279	206.076	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	419867	43.999	ug/l	100
52) Toluene	10.39	92	321426	10.044	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	174186	10.506	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	202088	10.363	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	100437	10.359	ug/l	95
56) Ethyl methacrylate	10.65	69	136395	10.614	ug/l	98
57) 1,3-Dichloropropane	10.93	76	163865	9.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	277907	45.110	ug/l	100
59) 2-Hexanone	10.97	43	300366	44.580	ug/l	100
60) Dibromochloromethane	11.13	129	125558	11.756	ug/l	97
61) 1,2-Dibromoethane	11.23	107	98863	10.562	ug/l	100
64) Tetrachloroethene	10.86	164	116396	10.330	ug/l	96
65) Chlorobenzene	11.66	112	342122	10.193	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	126374	10.998	ug/l	99
67) Ethyl Benzene	11.73	91	617930	10.152	ug/l	100
68) m/p-Xylenes	11.84	106	481204	21.091	ug/l	98
69) o-Xylene	12.16	106	233545	11.207	ug/l	99
70) Styrene	12.18	104	401055	11.062	ug/l	99
71) Bromoform	12.35	173	72172	10.857	ug/l #	99
73) Isopropylbenzene	12.46	105	609933	10.746	ug/l	98
74) N-amyl acetate	12.27	43	161745	10.788	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	116473	9.347	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	96154m	10.730	ug/l	
77) Bromobenzene	12.75	156	141813	10.900	ug/l	99
78) n-propylbenzene	12.80	91	728266	10.486	ug/l	100
79) 2-Chlorotoluene	12.89	91	418776	10.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	531178	11.067	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42052	10.369	ug/l	94
82) 4-Chlorotoluene	12.99	91	440156	10.520	ug/l	99
83) tert-Butylbenzene	13.21	119	446280	11.107	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	532042	11.133	ug/l	99
85) sec-Butylbenzene	13.38	105	639159	10.872	ug/l	99
86) p-Isopropyltoluene	13.50	119	580568	11.100	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	276265	10.731	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	278058	10.832	ug/l	97
89) n-Butylbenzene	13.83	91	548237	10.530	ug/l	100
90) Hexachloroethane	14.10	117	115085	11.595	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	256074	11.147	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21565	9.508	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	175613	11.250	ug/l	97
94) Hexachlorobutadiene	15.24	225	85753	8.849	ug/l	96
95) Naphthalene	15.37	128	378106	11.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	152876	10.809	ug/l	98

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

