

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010331.D
 Acq On : 09 May 2019 11:38
 Operator : SY/VA
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:16 AM

Quant Time: May 09 13:19:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:10:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1344192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2150823	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1917399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	955481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147166	8.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.74%	
35) Dibromofluoromethane	7.88	113	127201	9.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.60%	
50) Toluene-d8	10.32	98	518077	10.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.22%	
62) 4-Bromofluorobenzene	12.62	95	171085	9.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	93807	9.153	ug/l	97
3) Chloromethane	2.21	50	125196	12.215	ug/l	97
4) Vinyl Chloride	2.36	62	162425	13.633	ug/l	96
5) Bromomethane	2.77	94	96265	12.023	ug/l	96
6) Chloroethane	2.92	64	93714	12.039	ug/l	92
7) Trichlorofluoromethane	3.25	101	78983	9.588	ug/l	98
8) Diethyl Ether	3.67	74	75969	11.087	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140048	10.104	ug/l	96
10) Methyl Iodide	4.26	142	193143	10.083	ug/l	94
11) Tert butyl alcohol	5.18	59	49678	52.577	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145871	10.977	ug/l	91
13) Acrolein	3.89	56	65745	66.139	ug/l	98
14) Allyl chloride	4.65	41	212675	9.002	ug/l	91
15) Acrylonitrile	5.36	53	202795	57.510	ug/l	98
16) Acetone	4.12	43	174468	45.331	ug/l	91
17) Carbon Disulfide	4.37	76	423194	11.610	ug/l	99
18) Methyl Acetate	4.67	43	90263	10.133	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	166718	9.659	ug/l	93
20) Methylene Chloride	4.91	84	158921	8.975	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	155436	10.802	ug/l	97
22) Diisopropyl ether	6.31	45	425594	8.881	ug/l	96
23) Vinyl Acetate	6.25	43	1359736	45.073	ug/l	96
24) 1,1-Dichloroethane	6.21	63	287728	10.044	ug/l	99
25) 2-Butanone	7.17	43	266457	52.703	ug/l	97
26) 2,2-Dichloropropane	7.16	77	143876	9.078	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	157939	9.980	ug/l	97
28) Bromochloromethane	7.51	49	120844	10.322	ug/l	100
29) Tetrahydrofuran	7.52	42	168794	52.690	ug/l	96
30) Chloroform	7.67	83	271815	9.469	ug/l	95
31) Cyclohexane	7.95	56	296286	11.045	ug/l #	89
32) 1,1,1-Trichloroethane	7.87	97	209799	9.310	ug/l	99
36) 1,1-Dichloropropene	8.08	75	230271	10.481	ug/l	99
37) Ethyl Acetate	7.26	43	116249	10.413	ug/l #	96
38) Carbon Tetrachloride	8.06	117	198025	9.235	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	271515	10.982	ug/l	99
40) Benzene	8.32	78	647762	10.783	ug/l	99
41) Methacrylonitrile	7.49	41	62689	9.852	ug/l	92
42) 1,2-Dichloroethane	8.40	62	183496	8.888	ug/l	98
43) Isopropyl Acetate	8.43	43	186883	8.933	ug/l	97
44) Trichloroethene	9.09	130	158403	10.382	ug/l	92
45) 1,2-Dichloropropane	9.37	63	159418	10.096	ug/l	97
46) Dibromomethane	9.46	93	83557	10.210	ug/l	99
47) Bromodichloromethane	9.64	83	191249	9.053	ug/l	100
48) Methyl methacrylate	9.44	41	85192	8.366	ug/l #	85
49) 1,4-Dioxane	9.45	88	25881	206.966	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	549504	50.150	ug/l	95
52) Toluene	10.39	92	384763	10.282	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	187676	8.960	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	222794	9.315	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	115905	10.147	ug/l	98
56) Ethyl methacrylate	10.65	69	135004	9.507	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	203955	9.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	333629	51.017	ug/l	100
59) 2-Hexanone	10.97	43	373689	48.993	ug/l	95
60) Dibromochloromethane	11.13	129	121328	9.190	ug/l	99
61) 1,2-Dibromoethane	11.23	107	111177	10.232	ug/l	99
64) Tetrachloroethene	10.86	164	135230	10.864	ug/l	99
65) Chlorobenzene	11.66	112	396349	10.100	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	131105	9.342	ug/l	98
67) Ethyl Benzene	11.73	91	712687	10.179	ug/l	98
68) m/p-Xylenes	11.84	106	529336	20.225	ug/l	99
69) o-Xylene	12.17	106	233185	9.785	ug/l	98
70) Styrene	12.18	104	402851	9.804	ug/l	98
71) Bromoform	12.35	173	74342	10.018	ug/l #	99
73) Isopropylbenzene	12.47	105	659023	9.910	ug/l	100
74) N-amyl acetate	12.27	43	156497	8.498	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	154696	11.775	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	109234m	11.423	ug/l	
77) Bromobenzene	12.75	156	152926	9.999	ug/l	99
78) n-propylbenzene	12.80	91	826516	10.028	ug/l	100
79) 2-Chlorotoluene	12.89	91	475588	10.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	562600	9.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	43751	10.788	ug/l	97
82) 4-Chlorotoluene	12.99	91	507499	10.173	ug/l	99
83) tert-Butylbenzene	13.21	119	455551	9.756	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	564112	9.868	ug/l	100
85) sec-Butylbenzene	13.39	105	695803	9.972	ug/l	100
86) p-Isopropyltoluene	13.50	119	604219	9.825	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	312622	10.112	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	311073	10.080	ug/l	98
89) n-Butylbenzene	13.83	91	607123	9.964	ug/l	99
90) Hexachloroethane	14.10	117	112800	9.576	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	279660	10.089	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25795	10.971	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	174690	9.552	ug/l	99
94) Hexachlorobutadiene	15.24	225	115608	10.410	ug/l	100
95) Naphthalene	15.37	128	322917	9.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	156770	9.881	ug/l	100

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

