

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101518\
 Data File : VW006063.D
 Acq On : 15 Oct 2018 17:19
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/16/2018 10:33:46 AM

Quant Time: Oct 16 04:50:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 04:19:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	199603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23731	8.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.48%	
35) Dibromofluoromethane	7.88	113	24666	9.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.58%	
50) Toluene-d8	10.33	98	92484	9.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.14%	
62) 4-Bromofluorobenzene	12.62	95	34588	9.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.84%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	12728	9.010	ug/l	99
3) Chloromethane	2.21	50	17536	10.421	ug/l	98
4) Vinyl Chloride	2.37	62	25940	9.939	ug/l	96
5) Bromomethane	2.79	94	23607	11.283	ug/l	96
6) Chloroethane	2.92	64	17213	10.154	ug/l	96
7) Trichlorofluoromethane	3.26	101	22210	10.439	ug/l	99
8) Diethyl Ether	3.68	74	12548	9.689	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	25786	9.905	ug/l	99
10) Methyl Iodide	4.27	142	42395	9.920	ug/l	99
11) Tert butyl alcohol	5.21	59	8871	45.175	ug/l	97
12) 1,1-Dichloroethene	4.04	96	24602	9.892	ug/l	91
13) Acrolein	3.89	56	8425	47.217	ug/l	95
14) Allyl chloride	4.67	41	33816	8.127	ug/l	98
15) Acrylonitrile	5.37	53	23396	43.229	ug/l	98
16) Acetone	4.13	43	35432	66.635	ug/l	98
17) Carbon Disulfide	4.38	76	71788	9.551	ug/l	96
18) Methyl Acetate	4.68	43	11873	8.716	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	36711	9.499	ug/l	97
20) Methylene Chloride	4.92	84	28519	10.335	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	27487	10.110	ug/l	97
22) Diisopropyl ether	6.32	45	66463	8.494	ug/l	97
23) Vinyl Acetate	6.26	43	196570	41.135	ug/l	100
24) 1,1-Dichloroethane	6.21	63	43854	9.087	ug/l	98
25) 2-Butanone	7.18	43	35808	47.071	ug/l	100
26) 2,2-Dichloropropane	7.17	77	33376	9.887	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	29037	9.463	ug/l	95
28) Bromochloromethane	7.52	49	15055	8.241	ug/l	99
29) Tetrahydrofuran	7.53	42	19582	40.691	ug/l	99
30) Chloroform	7.68	83	47209	9.461	ug/l	99
31) Cyclohexane	7.95	56	46294	9.721	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	43025	9.666	ug/l	99
36) 1,1-Dichloropropene	8.09	75	38489	10.186	ug/l	98
37) Ethyl Acetate	7.26	43	13826	8.803	ug/l	100
38) Carbon Tetrachloride	8.07	117	41208	10.118	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50829	10.214	ug/l	96
40) Benzene	8.33	78	104715	10.121	ug/l	98
41) Methacrylonitrile	7.49	41	8901	8.985	ug/l	96
42) 1,2-Dichloroethane	8.40	62	29524	9.449	ug/l	99
43) Isopropyl Acetate	8.43	43	27694	8.466	ug/l	99
44) Trichloroethene	9.09	130	32058	10.614	ug/l	98
45) 1,2-Dichloropropane	9.37	63	24841	9.636	ug/l	98
46) Dibromomethane	9.46	93	13991	9.814	ug/l	100
47) Bromodichloromethane	9.65	83	33040	9.244	ug/l	97
48) Methyl methacrylate	9.44	41	13053	8.354	ug/l	98
49) 1,4-Dioxane	9.47	88	4251	195.303	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	71870	44.910	ug/l	99
52) Toluene	10.39	92	68344	10.016	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32071	8.659	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	37251	8.912	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	19374	9.785	ug/l	98
56) Ethyl methacrylate	10.65	69	22853	8.687	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32587	9.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	44451	41.882	ug/l	99
59) 2-Hexanone	10.98	43	53639	47.000	ug/l	99
60) Dibromochloromethane	11.13	129	23060	9.061	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19028	9.609	ug/l	98
64) Tetrachloroethene	10.87	164	29549	10.998	ug/l	93
65) Chlorobenzene	11.66	112	80629	10.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	27181	9.670	ug/l	98
67) Ethyl Benzene	11.74	91	140814	10.435	ug/l	98
68) m/p-Xylenes	11.85	106	110275	20.848	ug/l	99
69) o-Xylene	12.17	106	51525	10.166	ug/l	99
70) Styrene	12.19	104	83474	9.946	ug/l	100
71) Bromoform	12.35	173	14582	8.769	ug/l #	100
73) Isopropylbenzene	12.47	105	146075	10.151	ug/l	99
74) N-amyl acetate	12.28	43	27308	8.193	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	21664	9.243	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	17871m	10.390	ug/l	
77) Bromobenzene	12.76	156	35622	10.389	ug/l	99
78) n-propylbenzene	12.81	91	174317	10.307	ug/l	99
79) 2-Chlorotoluene	12.90	91	95885	10.031	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	124032	10.195	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	6287	7.761	ug/l	98
82) 4-Chlorotoluene	12.99	91	100504	10.034	ug/l	99
83) tert-Butylbenzene	13.21	119	111040	10.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	126051	10.282	ug/l	99
85) sec-Butylbenzene	13.39	105	157911	10.401	ug/l	100
86) p-Isopropyltoluene	13.51	119	143197	10.473	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	72474	10.652	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	72887	10.782	ug/l	98
89) n-Butylbenzene	13.83	91	132643	10.357	ug/l	100
90) Hexachloroethane	14.10	117	23195	9.118	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	63766	10.537	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3822	8.814	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	51897	11.139	ug/l	100
94) Hexachlorobutadiene	15.24	225	32341	11.115	ug/l	100
95) Naphthalene	15.38	128	85384	10.665	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	44629	11.058	ug/l	99

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

