

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101218\
 Data File : VW006022.D
 Acq On : 11 Oct 2018 10:26
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 10/12/2018 11:45:56 AM

Quant Time: Oct 11 16:04:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100818S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 02:14:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190695	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	108592	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
35) Dibromofluoromethane	7.88	113	109864	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
50) Toluene-d8	10.32	98	427472	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.62	95	163090	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	63124	51.97	ug/l	97
3) Chloromethane	2.21	50	82835	57.98	ug/l	99
4) Vinyl Chloride	2.37	62	124946	55.08	ug/l	98
5) Bromomethane	2.78	94	110012	61.45	ug/l	98
6) Chloroethane	2.93	64	84396	58.40	ug/l	99
7) Trichlorofluoromethane	3.26	101	101031	56.11	ug/l	98
8) Diethyl Ether	3.68	74	55818	50.37	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	116643	51.33	ug/l	98
10) Methyl Iodide	4.26	142	187484	50.45	ug/l	100
11) Tert butyl alcohol	5.21	59	34512	195.70	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	110367	50.58	ug/l	95
13) Acrolein	3.89	56	34688	220.72	ug/l	96
14) Allyl chloride	4.66	41	156932	42.17	ug/l	96
15) Acrylonitrile	5.37	53	107399	222.70	ug/l	99
16) Acetone	4.14	43	115207	239.69	ug/l	99
17) Carbon Disulfide	4.37	76	309492	46.91	ug/l	100
18) Methyl Acetate	4.67	43	55354	45.64	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	159285	46.92	ug/l	97
20) Methylene Chloride	4.92	84	112221	46.60	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	122223	51.39	ug/l	99
22) Diisopropyl ether	6.31	45	311218	44.74	ug/l	98
23) Vinyl Acetate	6.26	43	931964	217.68	ug/l	98
24) 1,1-Dichloroethane	6.21	63	203640	47.84	ug/l	100
25) 2-Butanone	7.18	43	154078	225.38	ug/l	95
26) 2,2-Dichloropropane	7.17	77	133328	44.50	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	136068	50.59	ug/l	95
28) Bromochloromethane	7.51	49	67356	42.87	ug/l	91
29) Tetrahydrofuran	7.53	42	90845	210.22	ug/l	95
30) Chloroform	7.68	83	218252	49.91	ug/l	100
31) Cyclohexane	7.95	56	187321	44.47	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	187452	48.14	ug/l	99
36) 1,1-Dichloropropene	8.08	75	175884	51.72	ug/l	99
37) Ethyl Acetate	7.26	43	62959	43.72	ug/l	98
38) Carbon Tetrachloride	8.07	117	183578	50.25	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	233635	52.09	ug/l	96
40) Benzene	8.32	78	480487	51.63	ug/l	98
41) Methacrylonitrile	7.49	41	38473	42.68	ug/l	95
42) 1,2-Dichloroethane	8.40	62	139648	49.67	ug/l	100
43) Isopropyl Acetate	8.43	43	133481	44.37	ug/l	97
44) Trichloroethene	9.09	130	146958	54.42	ug/l	99
45) 1,2-Dichloropropane	9.37	63	115066	49.39	ug/l	98
46) Dibromomethane	9.46	93	66188	51.69	ug/l	98
47) Bromodichloromethane	9.65	83	159134	49.39	ug/l	96
48) Methyl methacrylate	9.44	41	63244	44.14	ug/l	95
49) 1,4-Dioxane	9.47	88	20159	1036.55	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	332487	226.99	ug/l	98
52) Toluene	10.39	92	319651	52.28	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	160529	47.68	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	184141	48.65	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	91462	51.57	ug/l	98
56) Ethyl methacrylate	10.65	69	115077	48.15	ug/l	95
57) 1,3-Dichloropropane	10.93	76	150207	50.35	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	222562	228.84	ug/l	98
59) 2-Hexanone	10.97	43	249920	237.96	ug/l	97
60) Dibromochloromethane	11.13	129	115187	50.33	ug/l	100
61) 1,2-Dibromoethane	11.24	107	91553	51.66	ug/l	98
64) Tetrachloroethene	10.87	164	128932	53.67	ug/l	99
65) Chlorobenzene	11.66	112	367007	53.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	132957	52.51	ug/l	99
67) Ethyl Benzene	11.74	91	644206	52.79	ug/l	99
68) m/p-Xylenes	11.84	106	515912	108.19	ug/l	99
69) o-Xylene	12.17	106	244623	53.58	ug/l	99
70) Styrene	12.18	104	408139	53.88	ug/l	99
71) Bromoform	12.35	173	73521	48.74	ug/l #	100
73) Isopropylbenzene	12.47	105	698101	50.13	ug/l	100
74) N-amyl acetate	12.28	43	138414	41.85	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	107711	47.19	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82394m	48.37	ug/l	
77) Bromobenzene	12.75	156	169853	51.48	ug/l	94
78) n-propylbenzene	12.81	91	825308	50.38	ug/l	100
79) 2-Chlorotoluene	12.90	91	461136	49.86	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	596738	50.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	32181	39.88	ug/l	96
82) 4-Chlorotoluene	12.99	91	493071	50.67	ug/l	98
83) tert-Butylbenzene	13.21	119	537261	51.37	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	609051	51.35	ug/l	100
85) sec-Butylbenzene	13.39	105	764773	52.10	ug/l	100
86) p-Isopropyltoluene	13.51	119	695945	52.72	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	347572	53.02	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	342465	52.57	ug/l	100
89) n-Butylbenzene	13.83	91	648747	52.14	ug/l	99
90) Hexachloroethane	14.10	117	117576	47.36	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	308565	53.02	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18726	44.02	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	229999	50.97	ug/l	100
94) Hexachlorobutadiene	15.24	225	145615	51.70	ug/l	100
95) Naphthalene	15.38	128	382111	49.13	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	198410	50.78	ug/l	100

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

