

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006172.D
 Acq On : 18 Oct 2018 13:44
 Operator : VA/AP
 Sample : VW1018SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:42:13 PM

Quant Time: Oct 19 06:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	358602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	199132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	109437	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.88	113	115228	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.33	98	446858	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.62	95	165560	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	23856	17.02	ug/l	95
3) Chloromethane	2.21	50	30300	16.80	ug/l	98
4) Vinyl Chloride	2.37	62	49478	19.20	ug/l	99
5) Bromomethane	2.79	94	44685	19.07	ug/l	97
6) Chloroethane	2.93	64	36126	19.57	ug/l	93
7) Trichlorofluoromethane	3.26	101	45660	19.02	ug/l	98
8) Diethyl Ether	3.68	74	23426	18.37	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53604	21.31	ug/l	98
10) Methyl Iodide	4.26	142	86442	20.65	ug/l	99
11) Tert butyl alcohol	5.24	59	12055	76.34	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	48464	20.48	ug/l	92
13) Acrolein	3.90	56	14716	96.31	ug/l	98
14) Allyl chloride	4.67	41	65336	19.31	ug/l	99
15) Acrylonitrile	5.38	53	41600	90.93	ug/l	100
16) Acetone	4.15	43	49758	104.33	ug/l	97
17) Carbon Disulfide	4.37	76	130124	18.22	ug/l	99
18) Methyl Acetate	4.68	43	20434	17.29	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	70301	19.51	ug/l	95
20) Methylene Chloride	4.91	84	57256	22.14	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54789	20.74	ug/l	98
22) Diisopropyl ether	6.32	45	134075	20.05	ug/l	99
23) Vinyl Acetate	6.26	43	363585	92.14	ug/l	99
24) 1,1-Dichloroethane	6.22	63	89097	20.65	ug/l	99
25) 2-Butanone	7.18	43	61585	97.09	ug/l	99
26) 2,2-Dichloropropane	7.17	77	62224	20.45	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60094	20.62	ug/l	99
28) Bromochloromethane	7.51	49	28279	16.98	ug/l	96
29) Tetrahydrofuran	7.54	42	33826	86.76	ug/l	100
30) Chloroform	7.68	83	97591	20.76	ug/l	98
31) Cyclohexane	7.96	56	86985	20.25	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	86833	20.48	ug/l	99
36) 1,1-Dichloropropene	8.09	75	79334	21.57	ug/l	99
37) Ethyl Acetate	7.26	43	23837	17.44	ug/l	98
38) Carbon Tetrachloride	8.07	117	82097	20.36	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103994	21.27	ug/l	97
40) Benzene	8.32	78	211701	20.98	ug/l	99
41) Methacrylonitrile	7.49	41	13882	16.85	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	61484	20.74	ug/l	99
43) Isopropyl Acetate	8.43	43	49720	17.79	ug/l	99
44) Trichloroethene	9.09	130	66388	21.44	ug/l	98
45) 1,2-Dichloropropane	9.37	63	49520	20.51	ug/l	98
46) Dibromomethane	9.46	93	27425	19.93	ug/l	99
47) Bromodichloromethane	9.65	83	65567	19.65	ug/l	99
48) Methyl methacrylate	9.44	41	23702	17.89	ug/l	95
49) 1,4-Dioxane	9.49	88	7325	345.74	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	125482	89.62	ug/l	100
52) Toluene	10.39	92	142849	21.12	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	61520	18.51	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	74151	19.44	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	39373	20.44	ug/l	99
56) Ethyl methacrylate	10.65	69	43674	18.50	ug/l	97
57) 1,3-Dichloropropane	10.94	76	64168	20.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	85200	94.44	ug/l	99
59) 2-Hexanone	10.98	43	97106	97.16	ug/l	99
60) Dibromochloromethane	11.13	129	45230	18.85	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38012	19.75	ug/l	99
64) Tetrachloroethene	10.87	164	60185	21.62	ug/l	98
65) Chlorobenzene	11.66	112	165001	21.49	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	56367	20.66	ug/l	100
67) Ethyl Benzene	11.74	91	290496	21.84	ug/l	99
68) m/p-Xylenes	11.84	106	228783	43.51	ug/l	100
69) o-Xylene	12.17	106	109056	21.76	ug/l	97
70) Styrene	12.18	104	172572	21.18	ug/l	99
71) Bromoform	12.35	173	25776	16.94	ug/l #	98
73) Isopropylbenzene	12.47	105	309221	21.98	ug/l	100
74) N-amyl acetate	12.28	43	49194	18.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	42007	19.63	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27384m	18.00	ug/l	
77) Bromobenzene	12.75	156	73942	21.46	ug/l	97
78) n-propylbenzene	12.81	91	359950	21.99	ug/l	100
79) 2-Chlorotoluene	12.90	91	200122	21.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	258624	21.81	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10136	15.93	ug/l	90
82) 4-Chlorotoluene	12.99	91	210805	21.88	ug/l	100
83) tert-Butylbenzene	13.21	119	233766	22.03	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	263429	21.95	ug/l	100
85) sec-Butylbenzene	13.39	105	331744	22.13	ug/l	100
86) p-Isopropyltoluene	13.51	119	300421	22.16	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	149034	21.73	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	147654	21.63	ug/l	99
89) n-Butylbenzene	13.83	91	278846	22.49	ug/l	99
90) Hexachloroethane	14.10	117	44698	19.46	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	131561	21.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6579	17.17	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	101940	21.66	ug/l	99
94) Hexachlorobutadiene	15.24	225	65750	22.24	ug/l	99
95) Naphthalene	15.38	128	154034	19.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	86120	21.15	ug/l	99

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

