

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090618\
 Data File : VW005183.D
 Acq On : 07 Sep 2018 01:40
 Operator : SY/AP
 Sample : VW0906SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0906SBS02

Manual Integrations
 APPROVED

apatel
 9/7/2018 12:35:36 PM

Quant Time: Sep 07 04:22:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:35:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	415561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	619472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	616230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	343522	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	201627	58.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.06%	
35) Dibromofluoromethane	7.89	113	197107	55.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.12%	
50) Toluene-d8	10.33	98	904216	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	12.63	95	336056	57.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.56%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	83744	25.01	ug/l	97
3) Chloromethane	2.21	50	121665	25.04	ug/l	99
4) Vinyl Chloride	2.35	62	112069	23.72	ug/l	99
5) Bromomethane	2.76	94	80236	25.51	ug/l	97
6) Chloroethane	2.91	64	66398	22.57	ug/l	97
7) Trichlorofluoromethane	3.26	101	125705	23.65	ug/l	98
8) Diethyl Ether	3.68	74	47604	24.75	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	84766	23.21	ug/l	99
10) Methyl Iodide	4.28	142	54441	13.03	ug/l	100
11) Tert butyl alcohol	5.19	59	34668	181.10	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	79163	23.56	ug/l	99
13) Acrolein	3.90	56	22717	101.60	ug/l	99
14) Allyl chloride	4.68	41	120718	22.98	ug/l	99
15) Acrylonitrile	5.38	53	109437	134.90	ug/l	98
16) Acetone	4.14	43	93151	134.84	ug/l	98
17) Carbon Disulfide	4.38	76	278853	23.82	ug/l	98
18) Methyl Acetate	4.68	43	60510	29.77	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	216364	26.52	ug/l	100
20) Methylene Chloride	4.92	84	114662	22.42	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	95843	23.41	ug/l	97
22) Diisopropyl ether	6.32	45	279507	25.29	ug/l	99
23) Vinyl Acetate	6.26	43	742058	127.81	ug/l	100
24) 1,1-Dichloroethane	6.22	63	164978	23.88	ug/l	100
25) 2-Butanone	7.18	43	158156	131.99	ug/l	96
26) 2,2-Dichloropropane	7.17	77	115374	20.32	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	105395	23.53	ug/l	99
28) Bromochloromethane	7.51	49	67864	24.40	ug/l	99
29) Tetrahydrofuran	7.54	42	83077	135.69	ug/l	100
30) Chloroform	7.68	83	169312	24.01	ug/l	97
31) Cyclohexane	7.96	56	154744	22.87	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	142075	23.13	ug/l	99
36) 1,1-Dichloropropene	8.09	75	138975	23.56	ug/l	99
37) Ethyl Acetate	7.26	43	60157	27.26	ug/l	100
38) Carbon Tetrachloride	8.07	117	124677	22.22	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	152856	21.42	ug/l	97
40) Benzene	8.33	78	419719	23.24	ug/l	99
41) Methacrylonitrile	7.49	41	34250	26.79	ug/l	99
42) 1,2-Dichloroethane	8.40	62	106843	24.17	ug/l	100
43) Isopropyl Acetate	8.43	43	104352	25.99	ug/l	99
44) Trichloroethene	9.10	130	112812	23.15	ug/l	99
45) 1,2-Dichloropropane	9.37	63	104653	23.72	ug/l	98
46) Dibromomethane	9.46	93	50397	23.89	ug/l	99
47) Bromodichloromethane	9.65	83	124353	23.41	ug/l	98
48) Methyl methacrylate	9.44	41	47353	24.49	ug/l	99
49) 1,4-Dioxane	9.47	88	17550	514.37	ug/l #	85
51) 4-Methyl-2-Pentanone	10.22	43	360167	133.85	ug/l	100
52) Toluene	10.40	92	281635	23.01	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	125104	23.97	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	151551	23.87	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	83950	25.70	ug/l	98
56) Ethyl methacrylate	10.65	69	93227	25.02	ug/l	98
57) 1,3-Dichloropropane	10.94	76	136074	25.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	196978	111.54	ug/l	100
59) 2-Hexanone	10.98	43	242211	133.09	ug/l	100
60) Dibromochloromethane	11.13	129	91216	24.70	ug/l	100
61) 1,2-Dibromoethane	11.24	107	73136	24.80	ug/l	99
64) Tetrachloroethene	10.87	164	112868	23.34	ug/l	97
65) Chlorobenzene	11.66	112	312857	22.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	98733	23.29	ug/l	100
67) Ethyl Benzene	11.74	91	524849	22.38	ug/l	100
68) m/p-Xylenes	11.85	106	436266	46.46	ug/l	99
69) o-Xylene	12.17	106	200646	23.11	ug/l	100
70) Styrene	12.19	104	336896	23.49	ug/l	100
71) Bromoform	12.35	173	54956	24.46	ug/l #	99
73) Isopropylbenzene	12.47	105	532224	21.97	ug/l	100
74) N-amyl acetate	12.28	43	99600	23.88	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	91817	24.90	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	60166m	23.33	ug/l	
77) Bromobenzene	12.76	156	134503	22.54	ug/l	99
78) n-propylbenzene	12.81	91	640908	21.92	ug/l	100
79) 2-Chlorotoluene	12.90	91	380254	22.29	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	468096	22.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	22816	21.30	ug/l	95
82) 4-Chlorotoluene	13.00	91	396207	21.99	ug/l	99
83) tert-Butylbenzene	13.21	119	381925	21.83	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	472583	22.15	ug/l	100
85) sec-Butylbenzene	13.39	105	568197	22.10	ug/l	99
86) p-Isopropyltoluene	13.51	119	498414	21.90	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	271296	22.13	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	268692	22.09	ug/l	99
89) n-Butylbenzene	13.83	91	450762	21.37	ug/l	99
90) Hexachloroethane	14.10	117	81547	21.57	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	244199	22.85	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14502	25.17	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	157310	21.96	ug/l	99
94) Hexachlorobutadiene	15.24	225	97839	21.96	ug/l	99
95) Naphthalene	15.38	128	265579	23.72	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	141887	23.14	ug/l	99

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

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