

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091618\
 Data File : VW005409.D
 Acq On : 15 Sep 2018 03:29
 Operator : SY/AP
 Sample : VW0916SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0916SBS01

Manual Integrations
 APPROVED

apatel
 9/17/2018 2:24:18 PM

Quant Time: Sep 15 04:25:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:32:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	222365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	342012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	324148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168356	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.32	65	122629	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.89	113	98208	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
50) Toluene-d8	10.33	98	445032	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.63	95	164011	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	49420	23.92	ug/l	94
3) Chloromethane	2.21	50	56043	21.35	ug/l	97
4) Vinyl Chloride	2.36	62	53341	21.69	ug/l	99
5) Bromomethane	2.77	94	37691	22.06	ug/l	97
6) Chloroethane	2.92	64	30845	21.17	ug/l	93
7) Trichlorofluoromethane	3.26	101	69649	21.38	ug/l	97
8) Diethyl Ether	3.69	74	22403	23.14	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40066	21.09	ug/l	100
10) Methyl Iodide	4.28	142	45951	21.53	ug/l	98
11) Tert butyl alcohol	5.20	59	21614	147.50	ug/l	95
12) 1,1-Dichloroethene	4.04	96	36957	21.48	ug/l	93
13) Acrolein	3.90	56	13977	138.88	ug/l	95
14) Allyl chloride	4.68	41	68721	21.47	ug/l	98
15) Acrylonitrile	5.38	53	50803	114.73	ug/l	100
16) Acetone	4.14	43	42280	117.85	ug/l	92
17) Carbon Disulfide	4.38	76	124886	20.61	ug/l	99
18) Methyl Acetate	4.68	43	24321	21.93	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	108203	23.16	ug/l	94
20) Methylene Chloride	4.92	84	57186	21.73	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	43900	21.37	ug/l	97
22) Diisopropyl ether	6.32	45	137098	21.79	ug/l	98
23) Vinyl Acetate	6.26	43	411539	114.77	ug/l	99
24) 1,1-Dichloroethane	6.23	63	81031	21.22	ug/l	98
25) 2-Butanone	7.18	43	64718	116.56	ug/l	98
26) 2,2-Dichloropropane	7.17	77	72013	21.02	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	47141	21.09	ug/l	98
28) Bromochloromethane	7.52	49	30794	20.73	ug/l	100
29) Tetrahydrofuran	7.54	42	40947	115.76	ug/l	100
30) Chloroform	7.68	83	84703	21.42	ug/l	99
31) Cyclohexane	7.96	56	79408	21.55	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	79808	21.70	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67613	20.89	ug/l	99
37) Ethyl Acetate	7.26	43	31741	24.11	ug/l	98
38) Carbon Tetrachloride	8.07	117	71853	21.30	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77923	20.72	ug/l	99
40) Benzene	8.33	78	189988	20.26	ug/l	99
41) Methacrylonitrile	7.49	41	18491	23.28	ug/l	99
42) 1,2-Dichloroethane	8.41	62	61689	21.02	ug/l	98
43) Isopropyl Acetate	8.43	43	56601	22.03	ug/l	100
44) Trichloroethene	9.10	130	49538	20.53	ug/l	98
45) 1,2-Dichloropropane	9.38	63	46831	20.91	ug/l	98
46) Dibromomethane	9.46	93	22495	20.41	ug/l	94
47) Bromodichloromethane	9.65	83	63720	21.34	ug/l	98
48) Methyl methacrylate	9.44	41	27167	21.19	ug/l	96
49) 1,4-Dioxane	9.47	88	8316	452.77	ug/l #	97
51) 4-Methyl-2-Pentanone	10.22	43	144058	108.94	ug/l	100
52) Toluene	10.40	92	132600	20.88	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	62213	20.82	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	71663	21.18	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	34333	20.96	ug/l	97
56) Ethyl methacrylate	10.65	69	43804	21.13	ug/l	99
57) 1,3-Dichloropropane	10.94	76	59665	21.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	105654	112.68	ug/l	100
59) 2-Hexanone	10.98	43	97799	108.57	ug/l	100
60) Dibromochloromethane	11.13	129	40699	20.65	ug/l	99
61) 1,2-Dibromoethane	11.24	107	31019	21.12	ug/l	98
64) Tetrachloroethene	10.87	164	51029	21.30	ug/l	97
65) Chlorobenzene	11.66	112	141922	20.63	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	45896	20.87	ug/l	100
67) Ethyl Benzene	11.74	91	253766	20.98	ug/l	99
68) m/p-Xylenes	11.85	106	195008	41.88	ug/l	99
69) o-Xylene	12.17	106	90322	20.83	ug/l	100
70) Styrene	12.19	104	151450	21.17	ug/l	99
71) Bromoform	12.35	173	24523	21.08	ug/l #	100
73) Isopropylbenzene	12.47	105	248797	21.06	ug/l	100
74) N-amyl acetate	12.28	43	53089	21.33	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	37582	21.81	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28381m	20.50	ug/l	
77) Bromobenzene	12.76	156	58136	20.82	ug/l	99
78) n-propylbenzene	12.81	91	298532	20.94	ug/l	100
79) 2-Chlorotoluene	12.90	91	175691	20.89	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	218041	21.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11306	21.18	ug/l	96
82) 4-Chlorotoluene	12.99	91	186476	21.00	ug/l	99
83) tert-Butylbenzene	13.21	119	187366	21.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	221615	21.18	ug/l	100
85) sec-Butylbenzene	13.39	105	260219	21.04	ug/l	100
86) p-Isopropyltoluene	13.51	119	230254	20.82	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	117905	20.82	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	115007	20.62	ug/l	99
89) n-Butylbenzene	13.83	91	210268	20.41	ug/l	100
90) Hexachloroethane	14.10	117	38637	20.39	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	103006	20.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7088	21.42	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	66287	20.07	ug/l	99
94) Hexachlorobutadiene	15.24	225	44400	20.59	ug/l	99
95) Naphthalene	15.38	128	115446	20.98	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	58029	20.13	ug/l	99

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

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