

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112618\
 Data File : VW007039.D
 Acq On : 26 Nov 2018 11:45
 Operator : VAY/AP
 Sample : VW1126SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1126SBS01

Manual Integrations
 APPROVED

apatel
 11/27/2018 12:26:59 PM

Quant Time: Nov 26 15:23:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	117268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	177659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	82603	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	57500	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.88	113	52448	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.32	98	236711	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
62) 4-Bromofluorobenzene	12.62	95	90915	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	28061	24.24	ug/l	96
3) Chloromethane	2.21	50	22514	23.33	ug/l	97
4) Vinyl Chloride	2.36	62	21582	22.73	ug/l	97
5) Bromomethane	2.78	94	10877	21.47	ug/l	87
6) Chloroethane	2.92	64	11463	21.90	ug/l	94
7) Trichlorofluoromethane	3.26	101	41987	22.49	ug/l	92
8) Diethyl Ether	3.68	74	12170	20.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26765	22.12	ug/l	99
10) Methyl Iodide	4.27	142	26323	19.00	ug/l	98
11) Tert butyl alcohol	5.20	59	8250	110.38	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	23299	21.95	ug/l	95
13) Acrolein	3.90	56	7477	97.42	ug/l	96
14) Allyl chloride	4.67	41	36233	20.58	ug/l	98
15) Acrylonitrile	5.38	53	22183	98.12	ug/l	99
16) Acetone	4.14	43	16916	101.48	ug/l	89
17) Carbon Disulfide	4.38	76	74860	21.81	ug/l	97
18) Methyl Acetate	4.68	43	10343	17.42	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	56298	20.31	ug/l	96
20) Methylene Chloride	4.92	84	27126	16.84	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	26405	21.36	ug/l	99
22) Diisopropyl ether	6.31	45	70059	20.45	ug/l	98
23) Vinyl Acetate	6.26	43	192884	106.00	ug/l	99
24) 1,1-Dichloroethane	6.21	63	42804	20.53	ug/l	99
25) 2-Butanone	7.18	43	27434	96.09	ug/l	95
26) 2,2-Dichloropropane	7.17	77	43545	23.23	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27295	20.73	ug/l	99
28) Bromochloromethane	7.51	49	14216	18.25	ug/l	99
29) Tetrahydrofuran	7.53	42	17070	92.32	ug/l	99
30) Chloroform	7.68	83	44925	20.29	ug/l	97
31) Cyclohexane	7.95	56	48315	21.85	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	44856	22.49	ug/l	100
36) 1,1-Dichloropropene	8.09	75	39461	22.73	ug/l	98
37) Ethyl Acetate	7.26	43	12953	20.59	ug/l	96
38) Carbon Tetrachloride	8.07	117	40485	24.35	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	48192	22.18	ug/l	93
40) Benzene	8.32	78	101580	21.68	ug/l	100
41) Methacrylonitrile	7.49	41	7808	19.98	ug/l	97
42) 1,2-Dichloroethane	8.40	62	28157	20.69	ug/l	99
43) Isopropyl Acetate	8.43	43	23568	19.66	ug/l	99
44) Trichloroethene	9.09	130	29504	22.46	ug/l	92
45) 1,2-Dichloropropane	9.37	63	24537	21.24	ug/l	96
46) Dibromomethane	9.46	93	12137	20.98	ug/l	99
47) Bromodichloromethane	9.65	83	33768	22.15	ug/l	97
48) Methyl methacrylate	9.44	41	11226	19.42	ug/l	98
49) 1,4-Dioxane	9.46	88	3514	408.68	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	57547	94.98	ug/l	99
52) Toluene	10.39	92	68472	21.47	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	31296	21.20	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	38961	21.84	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	18036	21.19	ug/l	98
56) Ethyl methacrylate	10.65	69	19931	20.17	ug/l	99
57) 1,3-Dichloropropane	10.93	76	29593	20.75	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	50607	98.02	ug/l	100
59) 2-Hexanone	10.97	43	40905	98.59	ug/l	99
60) Dibromochloromethane	11.13	129	20929	21.58	ug/l	98
61) 1,2-Dibromoethane	11.24	107	16160	20.75	ug/l	97
64) Tetrachloroethene	10.87	164	24114	22.75	ug/l	95
65) Chlorobenzene	11.66	112	74937	21.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	23270	22.37	ug/l	98
67) Ethyl Benzene	11.73	91	138585	21.93	ug/l	98
68) m/p-Xylenes	11.84	106	110466	44.56	ug/l	99
69) o-Xylene	12.17	106	50997	21.82	ug/l	99
70) Styrene	12.18	104	81050	21.79	ug/l	99
71) Bromoform	12.35	173	10564	21.55	ug/l #	98
73) Isopropylbenzene	12.47	105	141736	22.08	ug/l	99
74) N-amyl acetate	12.27	43	22125	20.56	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	16742	19.60	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13610m	20.97	ug/l	
77) Bromobenzene	12.75	156	29209	21.18	ug/l	99
78) n-propylbenzene	12.81	91	169653	21.82	ug/l	99
79) 2-Chlorotoluene	12.90	91	98025	21.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	122206	22.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5461	21.12	ug/l	97
82) 4-Chlorotoluene	12.99	91	103717	22.04	ug/l	99
83) tert-Butylbenzene	13.21	119	106156	22.09	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	120330	21.76	ug/l	98
85) sec-Butylbenzene	13.39	105	151482	22.31	ug/l	100
86) p-Isopropyltoluene	13.51	119	132406	22.10	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	62316	22.14	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	60676	21.62	ug/l	99
89) n-Butylbenzene	13.83	91	125003	22.17	ug/l	98
90) Hexachloroethane	14.10	117	19580	22.39	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	53069	21.52	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3043	21.09	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34038	20.93	ug/l	99
94) Hexachlorobutadiene	15.24	225	20246	22.90	ug/l	95
95) Naphthalene	15.38	128	56378	19.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	27473	20.36	ug/l	99

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

