

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100818\
 Data File : VW005900.D
 Acq On : 08 Oct 2018 17:17
 Operator : SY/AP
 Sample : J5164-03MDL
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2018DL

Manual Integrations
 APPROVED

apatel
 10/9/2018 4:26:31 PM

Quant Time: Oct 09 07:17:54 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	304568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	444729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	220030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	148758	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.88	113	144472	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.33	98	563823	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
62) 4-Bromofluorobenzene	12.62	95	208915	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3197	2.14	ug/l	98
3) Chloromethane	2.21	50	5538	3.15	ug/l	97
4) Vinyl Chloride	2.37	62	7251	2.60	ug/l	99
5) Bromomethane	2.78	94	6321	2.87	ug/l	88
6) Chloroethane	2.92	64	4502	2.54	ug/l	97
7) Trichlorofluoromethane	3.25	101	5131	2.32	ug/l	91
8) Diethyl Ether	3.68	74	3792	2.78	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	6404	2.29	ug/l	95
10) Methyl Iodide	4.27	142	10679	2.34	ug/l #	94
11) Tert butyl alcohol	5.23	59	3008	13.88	ug/l #	74
12) 1,1-Dichloroethene	4.04	96	6394	2.38	ug/l	87
13) Acrolein	3.89	56	2468	12.78	ug/l	88
14) Allyl chloride	4.67	41	10681	2.34	ug/l	96
15) Acrylonitrile	5.39	53	7158	12.08	ug/l	98
16) Acetone	4.14	43	8962	15.18	ug/l	92
17) Carbon Disulfide	4.38	76	19101	2.36	ug/l	97
18) Methyl Acetate	4.68	43	3882	2.60	ug/l #	89
19) Methyl tert-butyl Ether	5.43	73	10517	2.52	ug/l	92
20) Methylene Chloride	4.92	84	14283	4.83	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	7513	2.57	ug/l	95
22) Diisopropyl ether	6.31	45	19911	2.33	ug/l	96
23) Vinyl Acetate	6.26	43	58787	11.17	ug/l	99
24) 1,1-Dichloroethane	6.22	63	12494	2.39	ug/l	98
25) 2-Butanone	7.18	43	10538	12.55	ug/l	98
26) 2,2-Dichloropropane	7.17	77	11717	3.18	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	8430	2.55	ug/l	95
28) Bromochloromethane	7.51	49	5113	2.65	ug/l	91
29) Tetrahydrofuran	7.54	42	6706	12.63	ug/l	95
30) Chloroform	7.68	83	13048	2.43	ug/l	98
31) Cyclohexane	7.95	56	17532	3.39	ug/l #	75
32) 1,1,1-Trichloroethane	7.88	97	11833	2.47	ug/l	97
36) 1,1-Dichloropropene	8.09	75	10260	2.41	ug/l	94
37) Ethyl Acetate	7.26	43	4631	2.57	ug/l #	88
38) Carbon Tetrachloride	8.07	117	10602	2.32	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	14066	2.50	ug/l	96
40) Benzene	8.33	78	28873	2.48	ug/l	99
41) Methacrylonitrile	7.49	41	2380	2.11	ug/l #	78
42) 1,2-Dichloroethane	8.40	62	8341	2.37	ug/l	94
43) Isopropyl Acetate	8.43	43	8738	2.32	ug/l	99
44) Trichloroethene	9.10	130	8467	2.50	ug/l	96
45) 1,2-Dichloropropane	9.37	63	6960	2.38	ug/l	92
46) Dibromomethane	9.46	93	4139	2.58	ug/l	96
47) Bromodichloromethane	9.65	83	9635	2.39	ug/l	99
48) Methyl methacrylate	9.44	41	5052	2.81	ug/l	89
49) 1,4-Dioxane	9.47	88	1180	48.42	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	24023	13.09	ug/l	99
52) Toluene	10.39	92	19006	2.48	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	9569	2.27	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	11223	2.37	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	5457	2.46	ug/l	96
56) Ethyl methacrylate	10.65	69	7288	2.43	ug/l	93
57) 1,3-Dichloropropane	10.93	76	9061	2.42	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	15057	12.35	ug/l	99
59) 2-Hexanone	10.98	43	15619	11.87	ug/l	99
60) Dibromochloromethane	11.13	129	6618	2.31	ug/l	100
61) 1,2-Dibromoethane	11.24	107	5354	2.41	ug/l	96
64) Tetrachloroethene	10.87	164	7368	2.41	ug/l	96
65) Chlorobenzene	11.66	112	21112	2.40	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	7770	2.41	ug/l	97
67) Ethyl Benzene	11.74	91	37007	2.39	ug/l	99
68) m/p-Xylenes	11.84	106	29141	4.81	ug/l	98
69) o-Xylene	12.17	106	13458	2.32	ug/l	99
70) Styrene	12.19	104	22535	2.34	ug/l	98
71) Bromoform	12.35	173	4313	2.25	ug/l #	99
73) Isopropylbenzene	12.47	105	37122	2.31	ug/l	100
74) N-amyl acetate	12.28	43	9014	2.36	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	6565	2.49	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4715m	2.40	ug/l	
77) Bromobenzene	12.75	156	9302	2.44	ug/l	100
78) n-propylbenzene	12.81	91	43369	2.29	ug/l	100
79) 2-Chlorotoluene	12.90	91	25174	2.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	31919	2.35	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2099m	2.25	ug/l	
82) 4-Chlorotoluene	12.99	91	26686	2.38	ug/l	99
83) tert-Butylbenzene	13.21	119	27841	2.31	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	32336	2.36	ug/l	100
85) sec-Butylbenzene	13.39	105	39967	2.36	ug/l	99
86) p-Isopropyltoluene	13.51	119	35962	2.36	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	18077	2.39	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	18790	2.50	ug/l	89
89) n-Butylbenzene	13.83	91	33929	2.36	ug/l	98
90) Hexachloroethane	14.10	117	6246	2.18	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	16501	2.46	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1110	2.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	12562	2.41	ug/l	99
94) Hexachlorobutadiene	15.24	225	7554	2.32	ug/l	96
95) Naphthalene	15.38	128	21904	2.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	11185	2.48	ug/l	100

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

