

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101818\
 Data File : VW006173.D
 Acq On : 18 Oct 2018 14:09
 Operator : VA/AP
 Sample : VW1018SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1018SBS01

Manual Integrations
 APPROVED

apatel
 10/19/2018 12:42:16 PM

Quant Time: Oct 19 06:52:54 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	269736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	375071	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191139	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	111653	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.88	113	112648	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
50) Toluene-d8	10.33	98	428021	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.62	95	161400	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	21694	16.25	ug/l	92
3) Chloromethane	2.21	50	29446	17.14	ug/l	97
4) Vinyl Chloride	2.37	62	46211	18.83	ug/l	98
5) Bromomethane	2.79	94	41545	18.62	ug/l	98
6) Chloroethane	2.93	64	35539	20.21	ug/l	99
7) Trichlorofluoromethane	3.26	101	44981	19.68	ug/l	99
8) Diethyl Ether	3.68	74	22362	18.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49162	20.52	ug/l	99
10) Methyl Iodide	4.27	142	80589	20.21	ug/l	100
11) Tert butyl alcohol	5.24	59	13922	92.57	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	45550	20.21	ug/l	95
13) Acrolein	3.90	56	15681	107.75	ug/l	99
14) Allyl chloride	4.67	41	61408	19.06	ug/l	98
15) Acrylonitrile	5.38	53	46054	105.69	ug/l	98
16) Acetone	4.15	43	51565	114.91	ug/l	97
17) Carbon Disulfide	4.38	76	120960	17.78	ug/l	99
18) Methyl Acetate	4.68	43	21892	19.45	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	71238	20.75	ug/l	94
20) Methylene Chloride	4.91	84	54268	22.02	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50770	20.18	ug/l	97
22) Diisopropyl ether	6.32	45	127882	20.08	ug/l	98
23) Vinyl Acetate	6.26	43	372744	99.18	ug/l	99
24) 1,1-Dichloroethane	6.22	63	83634	20.35	ug/l	99
25) 2-Butanone	7.18	43	66828	110.62	ug/l	98
26) 2,2-Dichloropropane	7.16	77	58450	20.17	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57184	20.60	ug/l	99
28) Bromochloromethane	7.51	49	28210	17.78	ug/l	97
29) Tetrahydrofuran	7.54	42	38363	103.31	ug/l	100
30) Chloroform	7.68	83	91135	20.36	ug/l	98
31) Cyclohexane	7.96	56	80852	19.76	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	80773	20.00	ug/l	98
36) 1,1-Dichloropropene	8.09	75	73641	21.30	ug/l	100
37) Ethyl Acetate	7.26	43	27362	21.30	ug/l	99
38) Carbon Tetrachloride	8.07	117	76839	20.28	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95678	20.82	ug/l	99
40) Benzene	8.33	78	197278	20.80	ug/l	96
41) Methacrylonitrile	7.49	41	16110	20.81	ug/l	97
42) 1,2-Dichloroethane	8.40	62	59853	21.48	ug/l	100
43) Isopropyl Acetate	8.43	43	53650	20.43	ug/l	100
44) Trichloroethene	9.10	130	61590	21.17	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47010	20.72	ug/l	100
46) Dibromomethane	9.46	93	27324	21.13	ug/l	99
47) Bromodichloromethane	9.65	83	61964	19.76	ug/l	99
48) Methyl methacrylate	9.44	41	26126	20.99	ug/l	97
49) 1,4-Dioxane	9.48	88	8558	429.82	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	139074	105.69	ug/l	99
52) Toluene	10.39	92	134647	21.18	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	60109	19.24	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	70327	19.61	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38398	21.22	ug/l	99
56) Ethyl methacrylate	10.65	69	46829	21.11	ug/l	96
57) 1,3-Dichloropropane	10.93	76	63265	21.12	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	93577	110.37	ug/l	99
59) 2-Hexanone	10.97	43	105223	112.02	ug/l	99
60) Dibromochloromethane	11.13	129	44099	19.56	ug/l	99
61) 1,2-Dibromoethane	11.24	107	38602	21.35	ug/l	99
64) Tetrachloroethene	10.87	164	56327	21.17	ug/l	97
65) Chlorobenzene	11.66	112	155826	21.23	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	53275	20.43	ug/l	99
67) Ethyl Benzene	11.74	91	271339	21.34	ug/l	98
68) m/p-Xylenes	11.85	106	212686	42.31	ug/l	99
69) o-Xylene	12.17	106	100645	21.01	ug/l	100
70) Styrene	12.19	104	162018	20.80	ug/l	100
71) Bromoform	12.35	173	27123	18.65	ug/l #	99
73) Isopropylbenzene	12.47	105	286584	21.22	ug/l	100
74) N-amyl acetate	12.28	43	53226	20.29	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	44056	21.45	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30342m	20.78	ug/l	
77) Bromobenzene	12.75	156	68857	20.82	ug/l	98
78) n-propylbenzene	12.81	91	334226	21.27	ug/l	100
79) 2-Chlorotoluene	12.90	91	186249	21.10	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	239786	21.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	10642	17.42	ug/l	90
82) 4-Chlorotoluene	12.99	91	194599	21.05	ug/l	99
83) tert-Butylbenzene	13.21	119	215435	21.15	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	243658	21.15	ug/l	100
85) sec-Butylbenzene	13.39	105	307943	21.40	ug/l	100
86) p-Isopropyltoluene	13.51	119	276383	21.24	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	139520	21.20	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	138255	21.10	ug/l	99
89) n-Butylbenzene	13.83	91	257215	21.61	ug/l	99
90) Hexachloroethane	14.10	117	40834	18.52	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	123998	21.12	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7135	19.40	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	97115	21.50	ug/l	99
94) Hexachlorobutadiene	15.24	225	61706	21.74	ug/l	99
95) Naphthalene	15.38	128	161314	21.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	84325	21.58	ug/l	99

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

