

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122218\
 Data File : VW007774.D
 Acq On : 21 Dec 2018 05:38
 Operator : SY/AP
 Sample : VW1222SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1222SBS02

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:04:57 AM

Quant Time: Dec 21 06:09:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	69870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	110391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42425	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
35) Dibromofluoromethane	7.88	113	38092	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
50) Toluene-d8	10.32	98	147853	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.62	95	58138	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10486	16.882	ug/l	94
3) Chloromethane	2.21	50	9943	26.069	ug/l	98
4) Vinyl Chloride	2.37	62	11362	23.402	ug/l	93
5) Bromomethane	2.79	94	9007	26.634	ug/l	88
6) Chloroethane	2.93	64	7219	27.792	ug/l	94
7) Trichlorofluoromethane	3.26	101	9074	17.951	ug/l	96
8) Diethyl Ether	3.68	74	8028	25.930	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14119	18.966	ug/l	99
10) Methyl Iodide	4.26	142	26396	22.296	ug/l	96
11) Tert butyl alcohol	5.18	59	7526	145.684	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	14049	20.380	ug/l	88
13) Acrolein	3.89	56	4648	112.529	ug/l	97
14) Allyl chloride	4.67	41	21330	23.595	ug/l	93
15) Acrylonitrile	5.37	53	16369	123.943	ug/l	98
16) Acetone	4.12	43	14624	101.977	ug/l	100
17) Carbon Disulfide	4.37	76	39870	18.690	ug/l	97
18) Methyl Acetate	4.67	43	8720	25.568	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	27324	27.610	ug/l	100
20) Methylene Chloride	4.91	84	18923	22.978	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	16097	21.232	ug/l	98
22) Diisopropyl ether	6.31	45	45080	26.632	ug/l	95
23) Vinyl Acetate	6.26	43	121424	120.738	ug/l	99
24) 1,1-Dichloroethane	6.21	63	28643	23.002	ug/l	96
25) 2-Butanone	7.17	43	19549	116.385	ug/l	99
26) 2,2-Dichloropropane	7.17	77	18666	20.485	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	18461	22.855	ug/l	99
28) Bromochloromethane	7.51	49	9922	23.370	ug/l	95
29) Tetrahydrofuran	7.53	42	13050	130.252	ug/l	98
30) Chloroform	7.68	83	31331	22.233	ug/l	98
31) Cyclohexane	7.95	56	23200	20.351	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	25886	20.169	ug/l	97
36) 1,1-Dichloropropene	8.08	75	21978	18.721	ug/l	99
37) Ethyl Acetate	7.25	43	9425	23.262	ug/l	98
38) Carbon Tetrachloride	8.06	117	22546	16.307	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26624	18.251	ug/l	98
40) Benzene	8.32	78	65737	20.984	ug/l	97
41) Methacrylonitrile	7.48	41	5186	22.545	ug/l	96
42) 1,2-Dichloroethane	8.40	62	22301	21.242	ug/l	99
43) Isopropyl Acetate	8.43	43	18736	23.082	ug/l	97
44) Trichloroethene	9.09	130	18603	19.636	ug/l	97
45) 1,2-Dichloropropane	9.37	63	15731	22.630	ug/l	100
46) Dibromomethane	9.46	93	8893	20.783	ug/l	98
47) Bromodichloromethane	9.65	83	22462	19.968	ug/l	97
48) Methyl methacrylate	9.44	41	9344	23.062	ug/l	96
49) 1,4-Dioxane	9.44	88	3317	488.930	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	43087	112.318	ug/l	99
52) Toluene	10.39	92	44946	21.384	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23313	20.835	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	26265	21.251	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	12657	21.456	ug/l	95
56) Ethyl methacrylate	10.65	69	16010	22.971	ug/l	96
57) 1,3-Dichloropropane	10.93	76	21753	22.207	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	37701	118.475	ug/l	100
59) 2-Hexanone	10.97	43	30017	111.263	ug/l	100
60) Dibromochloromethane	11.13	129	15025	19.236	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12884	21.568	ug/l	100
64) Tetrachloroethene	10.86	164	16156	20.668	ug/l	97
65) Chlorobenzene	11.66	112	49330	20.646	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	16676	19.533	ug/l	95
67) Ethyl Benzene	11.73	91	87389	21.314	ug/l	97
68) m/p-Xylenes	11.84	106	69060	43.421	ug/l	100
69) o-Xylene	12.17	106	33276	22.320	ug/l	97
70) Styrene	12.18	104	53966	22.021	ug/l	100
71) Bromoform	12.35	173	7638	17.234	ug/l #	99
73) Isopropylbenzene	12.47	105	88992	20.971	ug/l	100
74) N-amyl acetate	12.27	43	17549	23.874	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	13723	21.568	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	10940m	25.212	ug/l	
77) Bromobenzene	12.75	156	21034	21.628	ug/l	98
78) n-propylbenzene	12.80	91	102019	20.652	ug/l	100
79) 2-Chlorotoluene	12.90	91	62081	21.573	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	78584	21.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	3896	18.847	ug/l	98
82) 4-Chlorotoluene	12.99	91	65255	21.297	ug/l	100
83) tert-Butylbenzene	13.21	119	67636	21.059	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	82812	22.420	ug/l	100
85) sec-Butylbenzene	13.39	105	90487	20.443	ug/l	99
86) p-Isopropyltoluene	13.51	119	82139	20.407	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40996	21.231	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	41199	21.330	ug/l	98
89) n-Butylbenzene	13.83	91	73465	19.907	ug/l	99
90) Hexachloroethane	14.10	117	12083	17.100	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	37167	21.498	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2581	19.753	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	25424	21.185	ug/l	99
94) Hexachlorobutadiene	15.24	225	12788	19.939	ug/l	99
95) Naphthalene	15.38	128	52027	23.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	22346	21.753	ug/l	99

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

