

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122418\
 Data File : VW007845.D
 Acq On : 22 Dec 2018 16:18
 Operator : SY/AP
 Sample : VW1224SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1224SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 3:18:31 PM

Quant Time: Dec 24 01:55:59 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	97950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	139962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	69900	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47216	43.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.96%	
35) Dibromofluoromethane	7.88	113	43016	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	
50) Toluene-d8	10.32	98	172449	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.62	95	64841	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	13551	15.562	ug/l	95
3) Chloromethane	2.22	50	11669	21.823	ug/l	100
4) Vinyl Chloride	2.37	62	16411	24.111	ug/l	94
5) Bromomethane	2.78	94	10460	22.064	ug/l	97
6) Chloroethane	2.93	64	8472	23.266	ug/l	97
7) Trichlorofluoromethane	3.26	101	12149	17.144	ug/l	95
8) Diethyl Ether	3.68	74	8927	20.567	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.07	101	18586	17.809	ug/l	100
10) Methyl Iodide	4.27	142	30127	18.152	ug/l	94
11) Tert butyl alcohol	5.17	59	7985	110.258	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	17896	18.518	ug/l	97
13) Acrolein	3.90	56	5649	97.556	ug/l	93
14) Allyl chloride	4.67	41	26118	20.609	ug/l	91
15) Acrylonitrile	5.37	53	18214	98.376	ug/l	98
16) Acetone	4.12	43	18741	93.221	ug/l	98
17) Carbon Disulfide	4.37	76	52560	17.575	ug/l	100
18) Methyl Acetate	4.67	43	9350	19.556	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	30052	21.661	ug/l	95
20) Methylene Chloride	4.91	84	29076	25.878	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	18816	17.703	ug/l	91
22) Diisopropyl ether	6.31	45	49684	20.938	ug/l	99
23) Vinyl Acetate	6.26	43	144734	102.659	ug/l	98
24) 1,1-Dichloroethane	6.21	63	32591	18.669	ug/l	97
25) 2-Butanone	7.17	43	23593	100.194	ug/l	91
26) 2,2-Dichloropropane	7.17	77	24922	19.509	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	21516	19.001	ug/l	99
28) Bromochloromethane	7.51	49	11481	19.289	ug/l #	90
29) Tetrahydrofuran	7.52	42	14722	104.816	ug/l	97
30) Chloroform	7.67	83	34880	17.656	ug/l	98
31) Cyclohexane	7.95	56	32603	20.401	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	31133	17.303	ug/l	99
36) 1,1-Dichloropropene	8.08	75	27879	18.416	ug/l	98
37) Ethyl Acetate	7.25	43	10877	20.819	ug/l	99
38) Carbon Tetrachloride	8.07	117	27979	15.693	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37412	19.888	ug/l	97
40) Benzene	8.32	78	75537	18.699	ug/l	99
41) Methacrylonitrile	7.49	41	5984	20.174	ug/l	94
42) 1,2-Dichloroethane	8.40	62	23415	17.296	ug/l	98
43) Isopropyl Acetate	8.43	43	21011	20.073	ug/l	99
44) Trichloroethene	9.09	130	21350	17.476	ug/l	100
45) 1,2-Dichloropropane	9.37	63	17794	19.851	ug/l	99
46) Dibromomethane	9.46	93	9839	17.831	ug/l	99
47) Bromodichloromethane	9.65	83	23946	16.508	ug/l	98
48) Methyl methacrylate	9.44	41	11554m	22.114	ug/l	
49) 1,4-Dioxane	9.45	88	3040	347.497	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	50213	101.507	ug/l	99
52) Toluene	10.39	92	60626	22.368	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	26625	18.453	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	29819	18.710	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	14157	18.611	ug/l	94
56) Ethyl methacrylate	10.65	69	17664	19.654	ug/l	95
57) 1,3-Dichloropropane	10.93	76	23585	18.672	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	42749	104.178	ug/l	98
59) 2-Hexanone	10.97	43	36166	103.958	ug/l	100
60) Dibromochloromethane	11.13	129	15519	15.408	ug/l	96
61) 1,2-Dibromoethane	11.24	107	13952	18.112	ug/l	98
64) Tetrachloroethene	10.86	164	18038	18.200	ug/l	96
65) Chlorobenzene	11.66	112	55597	18.353	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18360	16.962	ug/l	98
67) Ethyl Benzene	11.73	91	101473	19.520	ug/l	99
68) m/p-Xylenes	11.84	106	80930	40.133	ug/l	99
69) o-Xylene	12.17	106	37354	19.762	ug/l	98
70) Styrene	12.18	104	59520	19.156	ug/l	98
71) Bromoform	12.35	173	8511	15.146	ug/l #	99
73) Isopropylbenzene	12.47	105	103403	19.570	ug/l	99
74) N-amyl acetate	12.27	43	19929	21.775	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	15385	19.421	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	12553m	23.235	ug/l	
77) Bromobenzene	12.75	156	22407	18.505	ug/l	95
78) n-propylbenzene	12.81	91	119249	19.388	ug/l	99
79) 2-Chlorotoluene	12.90	91	69214	19.317	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	89635	19.667	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5004	19.442	ug/l	96
82) 4-Chlorotoluene	12.99	91	73665	19.309	ug/l	100
83) tert-Butylbenzene	13.21	119	77762	19.446	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	90342	19.645	ug/l	99
85) sec-Butylbenzene	13.39	105	108271	19.646	ug/l	99
86) p-Isopropyltoluene	13.51	119	98221	19.599	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	45257	18.824	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	44946	18.689	ug/l	98
89) n-Butylbenzene	13.83	91	90495	19.695	ug/l	99
90) Hexachloroethane	14.10	117	13913	15.814	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	40846	18.976	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2770	17.026	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	29083	19.464	ug/l	98
94) Hexachlorobutadiene	15.24	225	15324	19.190	ug/l	99
95) Naphthalene	15.38	128	57300	20.742	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	24258	18.966	ug/l	100

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

