

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007476.D
 Acq On : 13 Dec 2018 09:59
 Operator : SY/AP
 Sample : VW1216SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:14 PM

Quant Time: Dec 13 11:40:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	77748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	134106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42186	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
35) Dibromofluoromethane	7.88	113	39878	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.32	98	153759	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.62	95	58266	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11613	21.375	ug/l	90
3) Chloromethane	2.21	50	9501	20.880	ug/l	97
4) Vinyl Chloride	2.37	62	11583	21.692	ug/l	90
5) Bromomethane	2.78	94	7806	21.757	ug/l	97
6) Chloroethane	2.92	64	6227	21.185	ug/l	90
7) Trichlorofluoromethane	3.25	101	9093	18.941	ug/l	94
8) Diethyl Ether	3.68	74	7500	19.960	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15956	20.143	ug/l	99
10) Methyl Iodide	4.26	142	27620	21.053	ug/l	98
11) Tert butyl alcohol	5.18	59	6276	105.944	ug/l	95
12) 1,1-Dichloroethene	4.03	96	15914	20.866	ug/l	93
13) Acrolein	3.89	56	3397	86.662	ug/l	98
14) Allyl chloride	4.66	41	22447	19.967	ug/l	100
15) Acrylonitrile	5.37	53	16061	101.396	ug/l	99
16) Acetone	4.12	43	13764	91.357	ug/l	98
17) Carbon Disulfide	4.37	76	47619	20.592	ug/l	96
18) Methyl Acetate	4.67	43	9221	22.550	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	24469	21.267	ug/l	99
20) Methylene Chloride	4.92	84	19433	21.341	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	17647	20.684	ug/l	95
22) Diisopropyl ether	6.31	45	44951	20.802	ug/l	95
23) Vinyl Acetate	6.26	43	120095	99.362	ug/l	98
24) 1,1-Dichloroethane	6.21	63	30364	20.791	ug/l	99
25) 2-Butanone	7.17	43	19315	98.200	ug/l	95
26) 2,2-Dichloropropane	7.16	77	18281	18.913	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	19531	20.907	ug/l	99
28) Bromochloromethane	7.51	49	11838	21.549	ug/l	98
29) Tetrahydrofuran	7.53	42	12682	101.849	ug/l	97
30) Chloroform	7.68	83	32687	20.566	ug/l	98
31) Cyclohexane	7.95	56	25545	19.064	ug/l	# 90
32) 1,1,1-Trichloroethane	7.87	97	28242	20.263	ug/l	100
36) 1,1-Dichloropropene	8.08	75	24504	20.030	ug/l	98
37) Ethyl Acetate	7.25	43	9024	19.832	ug/l	99
38) Carbon Tetrachloride	8.07	117	26258	19.726	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29788	20.109	ug/l	95
40) Benzene	8.32	78	69465	20.461	ug/l	97
41) Methacrylonitrile	7.49	41	5833	22.512	ug/l	95
42) 1,2-Dichloroethane	8.40	62	22232	20.846	ug/l	99
43) Isopropyl Acetate	8.43	43	18412	20.485	ug/l	99
44) Trichloroethene	9.09	130	20514	21.160	ug/l	98
45) 1,2-Dichloropropane	9.37	63	16762	21.335	ug/l	100
46) Dibromomethane	9.46	93	9663	21.658	ug/l	92
47) Bromodichloromethane	9.65	83	24592	21.014	ug/l	98
48) Methyl methacrylate	9.43	41	8936	19.359	ug/l	97
49) 1,4-Dioxane	9.45	88	3299	455.710	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	43663	102.815	ug/l	97
52) Toluene	10.39	92	46662	21.238	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	23089	20.322	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26195	19.944	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13234	21.794	ug/l #	89
56) Ethyl methacrylate	10.65	69	15501	21.238	ug/l	99
57) 1,3-Dichloropropane	10.93	76	22083	22.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	33403	99.244	ug/l	99
59) 2-Hexanone	10.97	43	28981	102.343	ug/l	99
60) Dibromochloromethane	11.13	129	16374	21.367	ug/l	98
61) 1,2-Dibromoethane	11.23	107	12978	21.627	ug/l	96
64) Tetrachloroethene	10.86	164	17809	20.719	ug/l	92
65) Chlorobenzene	11.66	112	51604	20.713	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	17962	20.471	ug/l	97
67) Ethyl Benzene	11.73	91	90481	21.124	ug/l	92
68) m/p-Xylenes	11.84	106	69886	41.969	ug/l	99
69) o-Xylene	12.17	106	33413	21.485	ug/l	97
70) Styrene	12.18	104	55540	22.111	ug/l	98
71) Bromoform	12.35	173	9004	20.048	ug/l #	99
73) Isopropylbenzene	12.47	105	93237	20.053	ug/l	99
74) N-amyl acetate	12.27	43	16699	19.762	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	14241	20.679	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	8533m	17.055	ug/l	
77) Bromobenzene	12.75	156	21003	20.379	ug/l	97
78) n-propylbenzene	12.81	91	108082	20.655	ug/l	100
79) 2-Chlorotoluene	12.90	91	63657	20.105	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	80656	20.645	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4101	18.106	ug/l	96
82) 4-Chlorotoluene	12.99	91	67342	20.177	ug/l	97
83) tert-Butylbenzene	13.21	119	70019	20.340	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	81501	20.272	ug/l	100
85) sec-Butylbenzene	13.39	105	96826	20.604	ug/l	95
86) p-Isopropyltoluene	13.51	119	86492	20.487	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	42005	20.442	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	42030	20.345	ug/l	98
89) n-Butylbenzene	13.83	91	78836	20.143	ug/l	98
90) Hexachloroethane	14.10	117	15119	20.127	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	37392	20.316	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2797	20.239	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25402	20.055	ug/l	97
94) Hexachlorobutadiene	15.24	225	13148	19.564	ug/l	98
95) Naphthalene	15.37	128	48609	20.061	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	22108	20.093	ug/l	97

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

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