

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111218\
 Data File : VW006803.D
 Acq On : 12 Nov 2018 12:25
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 11/13/2018 11:53:30 AM

Quant Time: Nov 12 14:17:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111218S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	318088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	412294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395936	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	224605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	13281	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
35) Dibromofluoromethane	7.88	113	13831	5.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.78%	
50) Toluene-d8	10.33	98	56069	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
62) 4-Bromofluorobenzene	12.62	95	20386	5.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	11828	4.573	ug/l	98
3) Chloromethane	2.21	50	14219	4.580	ug/l	99
4) Vinyl Chloride	2.36	62	15762	4.829	ug/l	94
5) Bromomethane	2.78	94	12247	5.566	ug/l	97
6) Chloroethane	2.92	64	11210	5.248	ug/l	92
7) Trichlorofluoromethane	3.26	101	21091	5.143	ug/l	94
8) Diethyl Ether	3.69	74	6286	5.269	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	15827	5.808	ug/l	98
10) Methyl Iodide	4.28	142	19111	5.048	ug/l	98
11) Tert butyl alcohol	5.22	59	3731m	24.316	ug/l	
12) 1,1-Dichloroethene	4.04	96	11905	5.239	ug/l	90
13) Acrolein	3.92	56	4317	27.015	ug/l	98
14) Allyl chloride	4.68	41	15602	5.093	ug/l	96
15) Acrylonitrile	5.38	53	11044	23.126	ug/l	99
16) Acetone	4.16	43	8970	26.582	ug/l	95
17) Carbon Disulfide	4.38	76	35825	4.779	ug/l	100
18) Methyl Acetate	4.68	43	6453	5.449	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	26449	4.752	ug/l	99
20) Methylene Chloride	4.93	84	28961	8.877	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	14627	5.382	ug/l	98
22) Diisopropyl ether	6.32	45	30010	4.649	ug/l	98
23) Vinyl Acetate	6.27	43	80010	21.732	ug/l	98
24) 1,1-Dichloroethane	6.21	63	21847	5.173	ug/l	97
25) 2-Butanone	7.19	43	14225	25.531	ug/l	98
26) 2,2-Dichloropropane	7.17	77	25385	6.309	ug/l	94
27) cis-1,2-Dichloroethene	7.18	96	14931	5.127	ug/l	94
28) Bromochloromethane	7.52	49	8175	5.168	ug/l	98
29) Tetrahydrofuran	7.54	42	8674	23.752	ug/l	97
30) Chloroform	7.68	83	24446	5.224	ug/l	99
31) Cyclohexane	7.96	56	25625	5.892	ug/l #	77
32) 1,1,1-Trichloroethane	7.88	97	23859	5.373	ug/l	98
36) 1,1-Dichloropropene	8.09	75	19905	5.320	ug/l	99
37) Ethyl Acetate	7.26	43	6164	4.639	ug/l #	94
38) Carbon Tetrachloride	8.07	117	22628	5.661	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	24909	5.229	ug/l	96
40) Benzene	8.33	78	54201	5.131	ug/l	98
41) Methacrylonitrile	7.49	41	3758	4.875	ug/l	97
42) 1,2-Dichloroethane	8.40	62	14960	5.202	ug/l	99
43) Isopropyl Acetate	8.43	43	10986	4.411	ug/l	94
44) Trichloroethene	9.10	130	17948	5.526	ug/l	98
45) 1,2-Dichloropropane	9.37	63	12746	5.137	ug/l	96
46) Dibromomethane	9.46	93	7157	5.138	ug/l	99
47) Bromodichloromethane	9.65	83	17619	5.212	ug/l	98
48) Methyl methacrylate	9.44	41	5815	4.957	ug/l	95
49) 1,4-Dioxane	9.48	88	2123	101.799	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	28047	21.918	ug/l	100
52) Toluene	10.39	92	37478	5.046	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15554	4.745	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	19046	4.901	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	10154	4.948	ug/l	96
56) Ethyl methacrylate	10.65	69	9372	4.136	ug/l	90
57) 1,3-Dichloropropane	10.93	76	15874	4.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	26181	23.199	ug/l	97
59) 2-Hexanone	10.98	43	17952	20.700	ug/l	96
60) Dibromochloromethane	11.13	129	11575	4.692	ug/l	100
61) 1,2-Dibromoethane	11.24	107	9392	4.757	ug/l	99
64) Tetrachloroethene	10.87	164	16619	5.497	ug/l	96
65) Chlorobenzene	11.66	112	44872	5.324	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	13841	5.127	ug/l	98
67) Ethyl Benzene	11.74	91	74528	5.257	ug/l	98
68) m/p-Xylenes	11.85	106	61131	10.571	ug/l	100
69) o-Xylene	12.17	106	28037	5.266	ug/l	99
70) Styrene	12.19	104	42722	4.937	ug/l	99
71) Bromoform	12.35	173	6992	4.675	ug/l #	98
73) Isopropylbenzene	12.47	105	76076	5.264	ug/l	99
74) N-amyl acetate	12.27	43	10253	4.353	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10360	4.812	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7811m	4.769	ug/l	
77) Bromobenzene	12.75	156	19970	5.344	ug/l	95
78) n-propylbenzene	12.81	91	92314	5.376	ug/l	99
79) 2-Chlorotoluene	12.90	91	51581	5.332	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	66013	5.272	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2851	4.628	ug/l	94
82) 4-Chlorotoluene	12.99	91	56768	5.491	ug/l	99
83) tert-Butylbenzene	13.21	119	58769	5.432	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	67337	5.249	ug/l	99
85) sec-Butylbenzene	13.39	105	84510	5.458	ug/l	99
86) p-Isopropyltoluene	13.51	119	75492	5.345	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	42047	5.539	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	41797	5.528	ug/l	95
89) n-Butylbenzene	13.83	91	70083	5.376	ug/l	99
90) Hexachloroethane	14.10	117	11928	5.383	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	36464	5.491	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1775	5.106	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	27226	5.538	ug/l	98
94) Hexachlorobutadiene	15.24	225	17716	5.726	ug/l	99
95) Naphthalene	15.38	128	36298	4.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	23945	5.631	ug/l	95

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

