

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092218\
 Data File : VW005553.D
 Acq On : 21 Sep 2018 12:14
 Operator : VA/AP
 Sample : VW0922SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0922SBSD01

Manual Integrations
 APPROVED

apatel
 9/24/2018 11:32:12 AM

Quant Time: Sep 21 15:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	238490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	362117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	323312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129401	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	7.89	113	108451	47.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.24%	
50) Toluene-d8	10.33	98	460313	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.62	95	167511	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	36230	23.533	ug/l	99
3) Chloromethane	2.21	50	38481	20.072	ug/l	97
4) Vinyl Chloride	2.37	62	48622	21.218	ug/l	100
5) Bromomethane	2.79	94	30519	19.707	ug/l	90
6) Chloroethane	2.93	64	29733	20.220	ug/l	96
7) Trichlorofluoromethane	3.26	101	39103	21.817	ug/l	100
8) Diethyl Ether	3.68	74	21325	18.214	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	45983	20.268	ug/l	98
10) Methyl Iodide	4.27	142	68636	19.671	ug/l	100
11) Tert butyl alcohol	5.21	59	14066	95.498	ug/l	99
12) 1,1-Dichloroethene	4.04	96	43778	20.155	ug/l	97
13) Acrolein	3.90	56	11437	106.611	ug/l	98
14) Allyl chloride	4.67	41	73964	19.512	ug/l	99
15) Acrylonitrile	5.38	53	44327	85.274	ug/l	97
16) Acetone	4.14	43	48872	105.181	ug/l	96
17) Carbon Disulfide	4.38	76	137917	20.322	ug/l	98
18) Methyl Acetate	4.67	43	21443	16.103	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	63137	18.832	ug/l	100
20) Methylene Chloride	4.91	84	53067	19.968	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	46153	19.400	ug/l	98
22) Diisopropyl ether	6.31	45	142204	19.325	ug/l	98
23) Vinyl Acetate	6.26	43	392574	93.338	ug/l	100
24) 1,1-Dichloroethane	6.21	63	87155	19.170	ug/l	99
25) 2-Butanone	7.18	43	59631	87.386	ug/l	99
26) 2,2-Dichloropropane	7.17	77	63511	20.010	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	49670	18.929	ug/l	99
28) Bromochloromethane	7.52	49	32603	18.104	ug/l #	98
29) Tetrahydrofuran	7.54	42	37161	87.169	ug/l	99
30) Chloroform	7.68	83	90024	19.180	ug/l	99
31) Cyclohexane	7.96	56	84828	19.475	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	81291	19.605	ug/l	99
36) 1,1-Dichloropropene	8.09	75	70941	19.461	ug/l	99
37) Ethyl Acetate	7.26	43	27266	17.774	ug/l	99
38) Carbon Tetrachloride	8.07	117	77789	19.914	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86303	20.067	ug/l	99
40) Benzene	8.33	78	199521	19.318	ug/l	98
41) Methacrylonitrile	7.49	41	16666	19.092	ug/l	96
42) 1,2-Dichloroethane	8.40	62	62239	18.822	ug/l	98
43) Isopropyl Acetate	8.43	43	51623	17.116	ug/l	98
44) Trichloroethene	9.10	130	51664	19.542	ug/l	93
45) 1,2-Dichloropropane	9.37	63	47717	18.779	ug/l	99
46) Dibromomethane	9.46	93	23694	18.662	ug/l	98
47) Bromodichloromethane	9.65	83	63087	18.498	ug/l	96
48) Methyl methacrylate	9.44	41	24724	17.259	ug/l	94
49) 1,4-Dioxane	9.48	88	7080	350.753	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	133446	87.847	ug/l	99
52) Toluene	10.39	92	127079	19.719	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	63700	18.631	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	72551	18.939	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	33039	18.333	ug/l	96
56) Ethyl methacrylate	10.65	69	40007	17.983	ug/l	99
57) 1,3-Dichloropropane	10.94	76	58852	18.426	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	94403	93.610	ug/l	98
59) 2-Hexanone	10.98	43	92368	89.509	ug/l	99
60) Dibromochloromethane	11.13	129	40078	18.405	ug/l	96
61) 1,2-Dibromoethane	11.24	107	31608	18.811	ug/l	98
64) Tetrachloroethene	10.87	164	43789	19.083	ug/l	95
65) Chlorobenzene	11.66	112	135549	19.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	47928	19.402	ug/l	98
67) Ethyl Benzene	11.74	91	244000	20.028	ug/l	100
68) m/p-Xylenes	11.85	106	187570	40.752	ug/l	99
69) o-Xylene	12.17	106	86530	20.074	ug/l	100
70) Styrene	12.19	104	144792	19.960	ug/l	100
71) Bromoform	12.35	173	24403	18.611	ug/l #	99
73) Isopropylbenzene	12.47	105	252315	20.674	ug/l	100
74) N-amyl acetate	12.28	43	49712	17.988	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	37871	18.682	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28757m	19.169	ug/l	
77) Bromobenzene	12.76	156	56360	19.703	ug/l	99
78) n-propylbenzene	12.81	91	304377	20.600	ug/l	99
79) 2-Chlorotoluene	12.90	91	175081	20.481	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	215177	20.276	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12144	18.232	ug/l	98
82) 4-Chlorotoluene	12.99	91	183635	20.331	ug/l	99
83) tert-Butylbenzene	13.21	119	179799	20.167	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	223641	20.883	ug/l	99
85) sec-Butylbenzene	13.39	105	266053	20.576	ug/l	98
86) p-Isopropyltoluene	13.51	119	241263	20.817	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	117136	20.027	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	116084	19.955	ug/l	99
89) n-Butylbenzene	13.83	91	225988	20.672	ug/l	99
90) Hexachloroethane	14.10	117	42748	20.350	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	102025	19.759	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7428	19.232	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	75661	20.542	ug/l	99
94) Hexachlorobutadiene	15.24	225	48674	20.398	ug/l	98
95) Naphthalene	15.38	128	120734	19.487	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	65618	20.215	ug/l	99

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

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