

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083019\
 Data File : VW012366.D
 Acq On : 30 Aug 2019 23:28
 Operator : SY/VA
 Sample : VW0830SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0830SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 9:11:46 AM

Quant Time: Aug 31 04:35:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	185588	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	305970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	270483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	126803	57.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.96%	
35) Dibromofluoromethane	7.88	113	99392	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
50) Toluene-d8	10.32	98	392683	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.62	95	142040	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	21828	19.102	ug/l	96
3) Chloromethane	2.21	50	36459	20.593	ug/l	98
4) Vinyl Chloride	2.36	62	40100	18.505	ug/l	97
5) Bromomethane	2.73	94	21428m	19.526	ug/l	
6) Chloroethane	2.90	64	25118	20.548	ug/l	95
7) Trichlorofluoromethane	3.25	101	19621	18.033	ug/l	96
8) Diethyl Ether	3.67	74	22124	21.421	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36633	19.807	ug/l	97
10) Methyl Iodide	4.26	142	49709	19.864	ug/l	98
11) Tert butyl alcohol	5.16	59	17689	133.233	ug/l	99
12) 1,1-Dichloroethene	4.04	96	35893	19.281	ug/l	97
13) Acrolein	3.89	56	10841	86.744	ug/l	94
14) Allyl chloride	4.66	41	81090	20.376	ug/l	99
15) Acrylonitrile	5.36	53	61790	120.704	ug/l	99
16) Acetone	4.12	43	56303	99.837	ug/l	99
17) Carbon Disulfide	4.38	76	90777	16.135	ug/l	100
18) Methyl Acetate	4.66	43	38452	27.529	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	69634	23.131	ug/l	98
20) Methylene Chloride	4.91	84	48540	22.768	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	39788	19.932	ug/l	98
22) Diisopropyl ether	6.31	45	169380	22.961	ug/l	98
23) Vinyl Acetate	6.25	43	494651	108.960	ug/l	99
24) 1,1-Dichloroethane	6.21	63	87293	21.734	ug/l	98
25) 2-Butanone	7.17	43	85197	111.174	ug/l	100
26) 2,2-Dichloropropane	7.17	77	44991	19.790	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	46422	21.766	ug/l	99
28) Bromochloromethane	7.51	49	40011	22.856	ug/l	98
29) Tetrahydrofuran	7.52	42	55839	121.449	ug/l	99
30) Chloroform	7.67	83	84013	22.863	ug/l	100
31) Cyclohexane	7.95	56	71880	18.089	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	62215	21.402	ug/l	100
36) 1,1-Dichloropropene	8.08	75	61268	19.377	ug/l	98
37) Ethyl Acetate	7.25	43	38939	22.474	ug/l	100
38) Carbon Tetrachloride	8.07	117	54740	20.003	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62808	17.682	ug/l	96
40) Benzene	8.32	78	178371	20.660	ug/l	99
41) Methacrylonitrile	7.48	41	23870	23.440	ug/l	97
42) 1,2-Dichloroethane	8.40	62	60875	22.497	ug/l	100
43) Isopropyl Acetate	8.42	43	72873	22.706	ug/l	99
44) Trichloroethene	9.09	130	42906	20.443	ug/l	96
45) 1,2-Dichloropropane	9.37	63	50916	21.913	ug/l	99
46) Dibromomethane	9.46	93	22840	22.093	ug/l	99
47) Bromodichloromethane	9.64	83	59756	21.718	ug/l	95
48) Methyl methacrylate	9.43	41	35016	22.924	ug/l	96
49) 1,4-Dioxane	9.45	88	7851	496.060	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	191543	117.338	ug/l	99
52) Toluene	10.38	92	108153	20.852	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	58995	21.049	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	69954	20.671	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	33168	22.675	ug/l	99
56) Ethyl methacrylate	10.65	69	47544	22.333	ug/l	99
57) 1,3-Dichloropropane	10.93	76	62553	22.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	119918	109.756	ug/l	100
59) 2-Hexanone	10.97	43	130077	112.618	ug/l	100
60) Dibromochloromethane	11.13	129	35833	21.994	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30435	22.334	ug/l	99
64) Tetrachloroethene	10.86	164	36241	20.666	ug/l	97
65) Chlorobenzene	11.66	112	110849	20.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	39988	21.522	ug/l	98
67) Ethyl Benzene	11.73	91	212438	20.706	ug/l	98
68) m/p-Xylenes	11.84	106	151756	41.063	ug/l	98
69) o-Xylene	12.16	106	69884	20.431	ug/l	95
70) Styrene	12.18	104	125895	21.264	ug/l	98
71) Bromoform	12.35	173	19912	21.510	ug/l #	99
73) Isopropylbenzene	12.46	105	201086	19.972	ug/l	100
74) N-amyl acetate	12.27	43	67460	22.177	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	39304	21.294	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	27677m	21.149	ug/l	
77) Bromobenzene	12.74	156	45855	21.052	ug/l	98
78) n-propylbenzene	12.80	91	247233	20.114	ug/l	100
79) 2-Chlorotoluene	12.89	91	144120	20.652	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	174259	20.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12033	20.160	ug/l	97
82) 4-Chlorotoluene	12.99	91	150096	20.542	ug/l	100
83) tert-Butylbenzene	13.21	119	145680	20.442	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	176537	20.889	ug/l	99
85) sec-Butylbenzene	13.38	105	204781	20.057	ug/l	100
86) p-Isopropyltoluene	13.50	119	188778	20.703	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	89993	21.123	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	89346	21.121	ug/l	99
89) n-Butylbenzene	13.82	91	183065	20.189	ug/l	99
90) Hexachloroethane	14.09	117	31875	19.925	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	81850	21.900	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6546	21.036	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	56753	21.973	ug/l	99
94) Hexachlorobutadiene	15.24	225	38098	22.339	ug/l	96
95) Naphthalene	15.36	128	98472	22.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	49160	21.815	ug/l	98

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

