

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090219\
 Data File : VW012514.D
 Acq On : 02 Sep 2019 22:55
 Operator : SY/VA
 Sample : VW0902SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0902SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:55:58 AM

Quant Time: Sep 03 07:58:12 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	191165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	300369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	262957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	127706	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121324	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.88	113	93271	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.32	98	372884	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.62	95	134483	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	18328	15.571	ug/l	94
3) Chloromethane	2.21	50	31280	17.153	ug/l	99
4) Vinyl Chloride	2.36	62	36217	16.226	ug/l	97
5) Bromomethane	2.76	94	19743	17.465	ug/l	93
6) Chloroethane	2.92	64	21325	16.936	ug/l	96
7) Trichlorofluoromethane	3.25	101	19383	17.294	ug/l	94
8) Diethyl Ether	3.68	74	22844	21.473	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36975	19.409	ug/l	96
10) Methyl Iodide	4.26	142	49045	19.027	ug/l	99
11) Tert butyl alcohol	5.18	59	17870	130.670	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	35853	18.698	ug/l	99
13) Acrolein	3.89	56	10465	81.293	ug/l	98
14) Allyl chloride	4.67	41	78437	19.134	ug/l	100
15) Acrylonitrile	5.36	53	64768	122.830	ug/l	99
16) Acetone	4.12	43	55489	95.523	ug/l	95
17) Carbon Disulfide	4.38	76	86329	14.897	ug/l	98
18) Methyl Acetate	4.67	43	36818	25.590	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	74953	24.172	ug/l	99
20) Methylene Chloride	4.91	84	42193	19.213	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	38273	18.613	ug/l	98
22) Diisopropyl ether	6.31	45	161160	21.210	ug/l	99
23) Vinyl Acetate	6.25	43	500317	106.993	ug/l	98
24) 1,1-Dichloroethane	6.21	63	84335	20.385	ug/l	99
25) 2-Butanone	7.17	43	89746	113.693	ug/l	100
26) 2,2-Dichloropropane	7.16	77	44497	19.002	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	45462	20.694	ug/l	97
28) Bromochloromethane	7.51	49	37912	21.025	ug/l	94
29) Tetrahydrofuran	7.52	42	57989	122.446	ug/l	97
30) Chloroform	7.67	83	78845	20.830	ug/l	99
31) Cyclohexane	7.95	56	71822	17.547	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	62103	20.740	ug/l	99
36) 1,1-Dichloropropene	8.08	75	60882	19.614	ug/l	99
37) Ethyl Acetate	7.25	43	42380	24.916	ug/l	100
38) Carbon Tetrachloride	8.06	117	54894	20.433	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	65060	18.658	ug/l	97
40) Benzene	8.32	78	170973	20.172	ug/l	100
41) Methacrylonitrile	7.48	41	26083	26.091	ug/l	94
42) 1,2-Dichloroethane	8.40	62	58523	22.032	ug/l	99
43) Isopropyl Acetate	8.42	43	74222	23.558	ug/l	98
44) Trichloroethene	9.09	130	42230	20.496	ug/l	96
45) 1,2-Dichloropropane	9.37	63	46960	20.587	ug/l	99
46) Dibromomethane	9.46	93	22259	21.932	ug/l	96
47) Bromodichloromethane	9.64	83	58216	21.553	ug/l	95
48) Methyl methacrylate	9.43	41	35162	23.448	ug/l	97
49) 1,4-Dioxane	9.46	88	7930	510.395	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	197532	123.263	ug/l	100
52) Toluene	10.38	92	105590	20.738	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	59725	21.707	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	68188	20.525	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	33157	23.091	ug/l	95
56) Ethyl methacrylate	10.65	69	49199	23.541	ug/l	99
57) 1,3-Dichloropropane	10.93	76	62386	22.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	124479	116.055	ug/l	99
59) 2-Hexanone	10.97	43	132066	116.472	ug/l	99
60) Dibromochloromethane	11.13	129	36423	22.773	ug/l	99
61) 1,2-Dibromoethane	11.23	107	30920	23.113	ug/l	100
64) Tetrachloroethene	10.86	164	36461	21.387	ug/l	97
65) Chlorobenzene	11.66	112	107897	20.838	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	40049	22.171	ug/l	99
67) Ethyl Benzene	11.73	91	205334	20.586	ug/l	100
68) m/p-Xylenes	11.84	106	147681	41.104	ug/l	100
69) o-Xylene	12.16	106	70231	21.120	ug/l	99
70) Styrene	12.18	104	121901	21.179	ug/l	99
71) Bromoform	12.35	173	21412	23.792	ug/l #	99
73) Isopropylbenzene	12.46	105	201770	21.085	ug/l	99
74) N-amyl acetate	12.27	43	64908	22.451	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41685	23.761	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	27074m	21.768	ug/l	
77) Bromobenzene	12.74	156	44608	21.548	ug/l	99
78) n-propylbenzene	12.80	91	239625	20.512	ug/l	99
79) 2-Chlorotoluene	12.89	91	136163	20.530	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	167341	20.928	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12568	22.155	ug/l	97
82) 4-Chlorotoluene	12.99	91	142724	20.552	ug/l	99
83) tert-Butylbenzene	13.21	119	148186	21.878	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	165773	20.639	ug/l	98
85) sec-Butylbenzene	13.38	105	201553	20.770	ug/l	100
86) p-Isopropyltoluene	13.50	119	180983	20.884	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	85841	21.199	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	84015	20.896	ug/l	98
89) n-Butylbenzene	13.82	91	171421	19.891	ug/l	100
90) Hexachloroethane	14.09	117	31570	20.764	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	78108	21.988	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7421	25.092	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	52446	21.365	ug/l	97
94) Hexachlorobutadiene	15.24	225	33625	20.745	ug/l	100
95) Naphthalene	15.36	128	101843	23.636	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	47942	22.384	ug/l	99

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

