

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010041.D
 Acq On : 18 Apr 2019 13:22
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:52:54 PM

Quant Time: Apr 18 15:52:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	423533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	682399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	628441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	326758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	307771	58.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.78%	
35) Dibromofluoromethane	7.88	113	250446	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
50) Toluene-d8	10.32	98	980037	60.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.56%	
62) 4-Bromofluorobenzene	12.62	95	358463	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53865	16.680	ug/l	97
3) Chloromethane	2.21	50	50707	15.701	ug/l	97
4) Vinyl Chloride	2.36	62	65514	17.452	ug/l	95
5) Bromomethane	2.77	94	46228	18.324	ug/l	99
6) Chloroethane	2.92	64	46775	19.070	ug/l	97
7) Trichlorofluoromethane	3.25	101	40790	15.716	ug/l	89
8) Diethyl Ether	3.67	74	41886	19.401	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	85735	19.631	ug/l	99
10) Methyl Iodide	4.26	142	111948	18.549	ug/l	97
11) Tert butyl alcohol	5.18	59	29778	100.023	ug/l	99
12) 1,1-Dichloroethene	4.03	96	79696	19.034	ug/l	97
13) Acrolein	3.89	56	27211	86.879	ug/l	100
14) Allyl chloride	4.65	41	132595	17.813	ug/l	99
15) Acrylonitrile	5.36	53	104764	94.292	ug/l	100
16) Acetone	4.12	43	118042	97.339	ug/l	95
17) Carbon Disulfide	4.37	76	208440	17.422	ug/l	98
18) Methyl Acetate	4.67	43	52877	18.840	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	105783	19.451	ug/l	97
20) Methylene Chloride	4.91	84	105672	19.811	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	87161	19.224	ug/l	95
22) Diisopropyl ether	6.31	45	302860	20.058	ug/l	98
23) Vinyl Acetate	6.25	43	959895	100.986	ug/l	99
24) 1,1-Dichloroethane	6.20	63	176177	19.518	ug/l	98
25) 2-Butanone	7.17	43	163023	102.337	ug/l	98
26) 2,2-Dichloropropane	7.16	77	95066	19.036	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	94374	18.926	ug/l	99
28) Bromochloromethane	7.51	49	77567	21.028	ug/l	96
29) Tetrahydrofuran	7.52	42	100356	99.424	ug/l	98
30) Chloroform	7.67	83	175584	19.413	ug/l	99
31) Cyclohexane	7.95	56	160231	18.957	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	133789	18.843	ug/l	99
36) 1,1-Dichloropropene	8.07	75	136687	19.609	ug/l	99
37) Ethyl Acetate	7.25	43	72360	20.429	ug/l	98
38) Carbon Tetrachloride	8.06	117	132856	19.529	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	150784	18.548	ug/l	97
40) Benzene	8.32	78	372416	19.540	ug/l	98
41) Methacrylonitrile	7.48	41	35572	17.621	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	129078	19.707	ug/l	99
43) Isopropyl Acetate	8.43	43	130385	19.644	ug/l	99
44) Trichloroethene	9.09	130	94359	19.492	ug/l	98
45) 1,2-Dichloropropane	9.37	63	97824	19.527	ug/l	98
46) Dibromomethane	9.46	93	50207	19.336	ug/l	100
47) Bromodichloromethane	9.64	83	129930	19.385	ug/l	97
48) Methyl methacrylate	9.43	41	61476	19.027	ug/l	97
49) 1,4-Dioxane	9.45	88	16770	422.685	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	359655	103.456	ug/l	99
52) Toluene	10.38	92	235150	19.806	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	130502	19.638	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	147406	19.426	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72424	19.984	ug/l	98
56) Ethyl methacrylate	10.65	69	88226	19.246	ug/l	97
57) 1,3-Dichloropropane	10.93	76	129215	19.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	285876	132.011	ug/l	99
59) 2-Hexanone	10.97	43	251056	103.744	ug/l	98
60) Dibromochloromethane	11.13	129	81701	19.505	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67665	19.627	ug/l	99
64) Tetrachloroethene	10.86	164	76481	18.747	ug/l	98
65) Chlorobenzene	11.66	112	254912	19.818	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	89366	19.428	ug/l	98
67) Ethyl Benzene	11.73	91	449563	19.590	ug/l	100
68) m/p-Xylenes	11.84	106	342192	39.890	ug/l	99
69) o-Xylene	12.16	106	157309	20.140	ug/l	98
70) Styrene	12.18	104	264653	19.651	ug/l	100
71) Bromoform	12.35	173	46308	19.039	ug/l #	99
73) Isopropylbenzene	12.47	105	440527	19.371	ug/l	100
74) N-amyl acetate	12.27	43	125330	19.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	88148	19.619	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	73723m	22.543	ug/l	
77) Bromobenzene	12.75	156	101069	19.324	ug/l	99
78) n-propylbenzene	12.80	91	563318	19.986	ug/l	100
79) 2-Chlorotoluene	12.89	91	317819	19.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	380906	19.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25951	18.711	ug/l	97
82) 4-Chlorotoluene	12.99	91	338027	19.813	ug/l	99
83) tert-Butylbenzene	13.21	119	316819	19.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	388885	19.892	ug/l	100
85) sec-Butylbenzene	13.38	105	476917	19.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	411636	19.572	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	209323	19.798	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	211948	20.084	ug/l	99
89) n-Butylbenzene	13.83	91	408262	19.593	ug/l	99
90) Hexachloroethane	14.10	117	77301	19.189	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	188965	19.933	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15156	18.849	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122050	19.515	ug/l	99
94) Hexachlorobutadiene	15.24	225	73273	19.293	ug/l	99
95) Naphthalene	15.37	128	217549	19.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107816	19.870	ug/l	99

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

