

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090319\
 Data File : VW012562.D
 Acq On : 03 Sep 2019 23:14
 Operator : SY/VA
 Sample : VW0903SBS04
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS04

Manual Integrations
 APPROVED

MMDadoda
 9/4/2019 9:34:39 AM

Quant Time: Sep 04 07:37:44 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	196319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	284416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	141309	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136265	58.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.78%	
35) Dibromofluoromethane	7.88	113	103705	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	
50) Toluene-d8	10.32	98	396895	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.61	95	146738	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19635	16.243	ug/l	98
3) Chloromethane	2.21	50	32917	17.576	ug/l	99
4) Vinyl Chloride	2.35	62	34789	15.177	ug/l	100
5) Bromomethane	2.77	94	19887	17.131	ug/l	87
6) Chloroethane	2.91	64	22587	17.468	ug/l	97
7) Trichlorofluoromethane	3.25	101	21394	18.587	ug/l	94
8) Diethyl Ether	3.68	74	26036	23.831	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40365	20.632	ug/l	98
10) Methyl Iodide	4.27	142	54837	20.716	ug/l	97
11) Tert butyl alcohol	5.20	59	18273	130.109	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	37764	19.178	ug/l	98
13) Acrolein	3.89	56	10596	80.150	ug/l	96
14) Allyl chloride	4.67	41	85427	20.292	ug/l	97
15) Acrylonitrile	5.37	53	69148	127.694	ug/l	98
16) Acetone	4.13	43	61759	103.526	ug/l	94
17) Carbon Disulfide	4.37	76	89220	14.992	ug/l	97
18) Methyl Acetate	4.67	43	42305	28.632	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83540	26.234	ug/l	99
20) Methylene Chloride	4.92	84	49958	22.152	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	43737	20.712	ug/l	93
22) Diisopropyl ether	6.31	45	185105	23.722	ug/l	99
23) Vinyl Acetate	6.25	43	554384	115.443	ug/l	99
24) 1,1-Dichloroethane	6.21	63	95067	22.375	ug/l	99
25) 2-Butanone	7.17	43	94846	117.000	ug/l	99
26) 2,2-Dichloropropane	7.16	77	51272	21.320	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	51094	22.647	ug/l	100
28) Bromochloromethane	7.51	49	43022	23.232	ug/l #	94
29) Tetrahydrofuran	7.53	42	61228	125.891	ug/l	98
30) Chloroform	7.67	83	93276	23.996	ug/l	95
31) Cyclohexane	7.95	56	74936	17.827	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	70003	22.765	ug/l	99
36) 1,1-Dichloropropene	8.08	75	66332	20.225	ug/l	99
37) Ethyl Acetate	7.25	43	45223	25.163	ug/l	99
38) Carbon Tetrachloride	8.07	117	61622	21.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	68568	18.610	ug/l	98
40) Benzene	8.32	78	194093	21.673	ug/l	99
41) Methacrylonitrile	7.48	41	28816	27.280	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70478	25.110	ug/l	100
43) Isopropyl Acetate	8.42	43	81844	24.585	ug/l	99
44) Trichloroethene	9.09	130	47578	21.854	ug/l	96
45) 1,2-Dichloropropane	9.37	63	55120	22.870	ug/l	96
46) Dibromomethane	9.46	93	26191	24.424	ug/l	99
47) Bromodichloromethane	9.64	83	67787	23.751	ug/l	97
48) Methyl methacrylate	9.43	41	38961	24.590	ug/l	95
49) 1,4-Dioxane	9.46	88	8406	512.041	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	215627	127.345	ug/l	100
52) Toluene	10.38	92	117978	21.929	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	69188	23.799	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	78351	22.321	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	38128	25.130	ug/l	96
56) Ethyl methacrylate	10.65	69	54261	24.572	ug/l	100
57) 1,3-Dichloropropane	10.93	76	70243	24.499	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134688	118.845	ug/l	99
59) 2-Hexanone	10.97	43	146114	121.957	ug/l	99
60) Dibromochloromethane	11.13	129	41445	24.524	ug/l	98
61) 1,2-Dibromoethane	11.24	107	35399	25.043	ug/l	97
64) Tetrachloroethene	10.86	164	40425	21.923	ug/l	99
65) Chlorobenzene	11.66	112	125147	22.346	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.72	131	46132	23.612	ug/l	100
67) Ethyl Benzene	11.73	91	230760	21.390	ug/l	100
68) m/p-Xylenes	11.84	106	167653	43.142	ug/l	99
69) o-Xylene	12.16	106	78732	21.890	ug/l	98
70) Styrene	12.18	104	140276	22.533	ug/l	99
71) Bromoform	12.35	173	23587	24.231	ug/l #	98
73) Isopropylbenzene	12.46	105	221795	20.947	ug/l	100
74) N-amyl acetate	12.27	43	74656	23.337	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46015	23.705	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31318m	22.756	ug/l	
77) Bromobenzene	12.74	156	50955	22.244	ug/l	99
78) n-propylbenzene	12.80	91	264962	20.498	ug/l	98
79) 2-Chlorotoluene	12.89	91	159441	21.725	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	190324	21.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13621	21.700	ug/l	95
82) 4-Chlorotoluene	12.99	91	166006	21.603	ug/l	100
83) tert-Butylbenzene	13.21	119	163998	21.882	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192551	21.665	ug/l	99
85) sec-Butylbenzene	13.38	105	226634	21.107	ug/l	100
86) p-Isopropyltoluene	13.50	119	204673	21.344	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	99022	22.100	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	99021	22.258	ug/l	99
89) n-Butylbenzene	13.82	91	193069	20.246	ug/l	100
90) Hexachloroethane	14.09	117	35860	21.315	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	89670	22.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8017	24.498	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60656	22.330	ug/l	98
94) Hexachlorobutadiene	15.24	225	39633	22.097	ug/l	99
95) Naphthalene	15.36	128	111834	23.489	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	52832	22.293	ug/l	96

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

