

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW090319\
 Data File : VW012542.D
 Acq On : 03 Sep 2019 13:20
 Operator : SY/VA
 Sample : VW0903SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0903SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:54:23 PM

Quant Time: Sep 03 14:26:36 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	232504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	156648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139645	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.88	113	112097	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
50) Toluene-d8	10.32	98	444146	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.62	95	159571	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	22965	16.041	ug/l	97
3) Chloromethane	2.21	50	36412	16.417	ug/l	99
4) Vinyl Chloride	2.36	62	40307	14.848	ug/l	97
5) Bromomethane	2.76	94	20454	14.877	ug/l	96
6) Chloroethane	2.91	64	23255	15.185	ug/l	97
7) Trichlorofluoromethane	3.25	101	24906	18.271	ug/l	100
8) Diethyl Ether	3.68	74	24936	19.272	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	42636	18.401	ug/l	97
10) Methyl Iodide	4.26	142	56523	18.029	ug/l	100
11) Tert butyl alcohol	5.20	59	17502	105.224	ug/l	97
12) 1,1-Dichloroethene	4.03	96	41684	17.874	ug/l	98
13) Acrolein	3.89	56	10043	64.144	ug/l	95
14) Allyl chloride	4.66	41	91733	18.399	ug/l	99
15) Acrylonitrile	5.37	53	62550	97.532	ug/l	99
16) Acetone	4.13	43	62934	89.077	ug/l	99
17) Carbon Disulfide	4.38	76	99726	14.149	ug/l	97
18) Methyl Acetate	4.67	43	39022	22.300	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	78655	20.856	ug/l	97
20) Methylene Chloride	4.91	84	49872	18.672	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	46452	18.574	ug/l	97
22) Diisopropyl ether	6.31	45	185482	20.070	ug/l	100
23) Vinyl Acetate	6.25	43	542939	95.464	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98313	19.538	ug/l	99
25) 2-Butanone	7.18	43	91249	95.044	ug/l	97
26) 2,2-Dichloropropane	7.16	77	56660	19.894	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	53516	20.029	ug/l	99
28) Bromochloromethane	7.51	49	43836	19.988	ug/l #	94
29) Tetrahydrofuran	7.53	42	56151	97.484	ug/l	98
30) Chloroform	7.67	83	93982	20.415	ug/l	100
31) Cyclohexane	7.95	56	84620	16.998	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	72818	19.995	ug/l	99
36) 1,1-Dichloropropene	8.08	75	72344	19.156	ug/l	99
37) Ethyl Acetate	7.25	43	40013	19.335	ug/l	99
38) Carbon Tetrachloride	8.07	117	64692	19.792	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	76427	18.014	ug/l	97
40) Benzene	8.32	78	203556	19.740	ug/l	99
41) Methacrylonitrile	7.48	41	23985	19.720	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65948	20.405	ug/l	99
43) Isopropyl Acetate	8.42	43	76716	20.013	ug/l	99
44) Trichloroethene	9.09	130	50304	20.067	ug/l	94
45) 1,2-Dichloropropane	9.37	63	55907	20.145	ug/l	99
46) Dibromomethane	9.46	93	24712	20.013	ug/l	96
47) Bromodichloromethane	9.64	83	67573	20.562	ug/l	95
48) Methyl methacrylate	9.43	41	36438	19.972	ug/l	95
49) 1,4-Dioxane	9.46	88	7511	397.334	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	197601	101.347	ug/l	100
52) Toluene	10.38	92	124172	20.044	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67470	20.155	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	79974	19.786	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	36655	20.981	ug/l	98
56) Ethyl methacrylate	10.65	69	52368	20.595	ug/l	99
57) 1,3-Dichloropropane	10.93	76	69550	21.066	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	129739	99.418	ug/l	99
59) 2-Hexanone	10.97	43	135595	98.288	ug/l	99
60) Dibromochloromethane	11.13	129	39952	20.531	ug/l	98
61) 1,2-Dibromoethane	11.24	107	34288	21.066	ug/l	98
64) Tetrachloroethene	10.86	164	41433	20.236	ug/l	99
65) Chlorobenzene	11.66	112	127984	20.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	46377	21.378	ug/l	100
67) Ethyl Benzene	11.73	91	244966	20.450	ug/l	99
68) m/p-Xylenes	11.84	106	175534	40.681	ug/l	99
69) o-Xylene	12.16	106	82686	20.705	ug/l	99
70) Styrene	12.18	104	144876	20.959	ug/l	99
71) Bromoform	12.35	173	22431	20.753	ug/l #	99
73) Isopropylbenzene	12.46	105	236224	20.125	ug/l	99
74) N-amyl acetate	12.27	43	68598	19.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41753	19.403	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	34701m	22.745	ug/l	
77) Bromobenzene	12.74	156	52029	20.489	ug/l	96
78) n-propylbenzene	12.80	91	283377	19.776	ug/l	98
79) 2-Chlorotoluene	12.89	91	160272	19.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	199452	20.335	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13319	19.141	ug/l	96
82) 4-Chlorotoluene	12.99	91	171329	20.113	ug/l	100
83) tert-Butylbenzene	13.21	119	169677	20.423	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	199308	20.229	ug/l	100
85) sec-Butylbenzene	13.38	105	239014	20.080	ug/l	99
86) p-Isopropyltoluene	13.50	119	218620	20.566	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101243	20.384	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	99427	20.161	ug/l	98
89) n-Butylbenzene	13.82	91	207229	19.603	ug/l	99
90) Hexachloroethane	14.10	117	35861	19.228	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	90390	20.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7271	20.043	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	62626	20.798	ug/l	99
94) Hexachlorobutadiene	15.24	225	42947	21.600	ug/l	96
95) Naphthalene	15.36	128	106806	20.835	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	54617	20.790	ug/l	99

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

