

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011841.D
 Acq On : 12 Aug 2019 10:32
 Operator : SY/VA
 Sample : VW0812SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 4:32:17 PM

Quant Time: Aug 13 08:00:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	247893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390303	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	151917	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.88	113	125694	57.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.80%	
50) Toluene-d8	10.32	98	516302	57.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.18%	
62) 4-Bromofluorobenzene	12.62	95	178090	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33952	24.575	ug/l	97
3) Chloromethane	2.21	50	49385	20.615	ug/l	96
4) Vinyl Chloride	2.35	62	64353	22.313	ug/l	98
5) Bromomethane	2.77	94	28866	18.082	ug/l	94
6) Chloroethane	2.90	64	28764	17.459	ug/l	98
7) Trichlorofluoromethane	3.23	101	31900	24.748	ug/l	94
8) Diethyl Ether	3.67	74	28407	19.438	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	53949	22.064	ug/l	99
10) Methyl Iodide	4.26	142	70767	20.480	ug/l	98
11) Tert butyl alcohol	5.22	59	15548	60.497	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	53421	20.692	ug/l	99
13) Acrolein	3.89	56	13344	65.333	ug/l	96
14) Allyl chloride	4.65	41	116874	21.285	ug/l	97
15) Acrylonitrile	5.36	53	66803	91.569	ug/l	99
16) Acetone	4.13	43	65959	72.845	ug/l	100
17) Carbon Disulfide	4.37	76	161656	20.006	ug/l	99
18) Methyl Acetate	4.67	43	35919	17.658	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	81980	20.010	ug/l	97
20) Methylene Chloride	4.91	84	60937	19.514	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58494	21.016	ug/l	97
22) Diisopropyl ether	6.31	45	213946	20.666	ug/l	97
23) Vinyl Acetate	6.25	43	621912	95.604	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118132	21.306	ug/l	99
25) 2-Butanone	7.17	43	93957	79.300	ug/l	98
26) 2,2-Dichloropropane	7.16	77	65094	19.090	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	62091	20.269	ug/l	99
28) Bromochloromethane	7.51	49	47407	19.263	ug/l	100
29) Tetrahydrofuran	7.53	42	58556	86.460	ug/l	99
30) Chloroform	7.67	83	108138	21.141	ug/l	99
31) Cyclohexane	7.95	56	113711	21.365	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	86355	22.167	ug/l	100
36) 1,1-Dichloropropene	8.08	75	91971	22.662	ug/l	99
37) Ethyl Acetate	7.25	43	42200	18.073	ug/l	100
38) Carbon Tetrachloride	8.07	117	79824	22.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	101315	22.672	ug/l	98
40) Benzene	8.32	78	246882	21.717	ug/l	99
41) Methacrylonitrile	7.48	41	25119	17.997	ug/l	96
42) 1,2-Dichloroethane	8.40	62	75251	21.143	ug/l	100
43) Isopropyl Acetate	8.42	43	80052	18.642	ug/l	97
44) Trichloroethene	9.09	130	60938	22.303	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65204	21.437	ug/l	96
46) Dibromomethane	9.46	93	28796	20.742	ug/l	98
47) Bromodichloromethane	9.64	83	76445	20.992	ug/l	99
48) Methyl methacrylate	9.43	41	38519	18.674	ug/l	98
49) 1,4-Dioxane	9.47	88	7082	352.314	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	203816	91.251	ug/l	100
52) Toluene	10.38	92	149083	21.716	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	76754	20.177	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	94444	20.881	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39883	20.248	ug/l	97
56) Ethyl methacrylate	10.65	69	54789	19.008	ug/l	99
57) 1,3-Dichloropropane	10.93	76	75737	20.323	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	142851	109.153	ug/l	100
59) 2-Hexanone	10.97	43	141189	89.527	ug/l	98
60) Dibromochloromethane	11.13	129	44174	20.203	ug/l	99
61) 1,2-Dibromoethane	11.23	107	37483	20.108	ug/l	98
64) Tetrachloroethene	10.86	164	49857	22.834	ug/l	100
65) Chlorobenzene	11.66	112	146783	21.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	51273	21.833	ug/l	100
67) Ethyl Benzene	11.73	91	289080	22.513	ug/l	99
68) m/p-Xylenes	11.84	106	210234	45.021	ug/l	100
69) o-Xylene	12.16	106	96271	22.186	ug/l	99
70) Styrene	12.18	104	164813	21.967	ug/l	100
71) Bromoform	12.35	173	23860	19.927	ug/l #	96
73) Isopropylbenzene	12.46	105	272303	22.244	ug/l	99
74) N-amyl acetate	12.27	43	72253	18.852	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46104	20.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32528m	18.734	ug/l	
77) Bromobenzene	12.75	156	58382	21.577	ug/l	99
78) n-propylbenzene	12.80	91	340791	22.875	ug/l	99
79) 2-Chlorotoluene	12.89	91	187360	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	231572	22.567	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14586	19.361	ug/l	94
82) 4-Chlorotoluene	12.99	91	197355	21.916	ug/l	99
83) tert-Butylbenzene	13.21	119	193625	22.564	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	227911	22.048	ug/l	100
85) sec-Butylbenzene	13.38	105	280285	22.891	ug/l	100
86) p-Isopropyltoluene	13.50	119	251671	22.654	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	114671	21.614	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112831	21.379	ug/l	98
89) n-Butylbenzene	13.82	91	249831	22.535	ug/l	100
90) Hexachloroethane	14.09	117	43673	22.231	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99968	21.304	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7358	18.739	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	69677	21.069	ug/l	99
94) Hexachlorobutadiene	15.24	225	46840	22.712	ug/l	98
95) Naphthalene	15.37	128	109066	18.206	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	59325	20.465	ug/l	99

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

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