

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012639.D
 Acq On : 05 Sep 2019 14:36
 Operator : SY/VA
 Sample : VW0905SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:31 PM

Quant Time: Sep 05 17:02:55 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	233028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	381837	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	334783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133908	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.88	113	107072	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	10.32	98	455500	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.62	95	165163	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	40095	27.944	ug/l	99
3) Chloromethane	2.21	50	47299	21.277	ug/l	98
4) Vinyl Chloride	2.36	62	55622	20.443	ug/l	96
5) Bromomethane	2.77	94	27326	19.831	ug/l	100
6) Chloroethane	2.91	64	29254	19.060	ug/l	99
7) Trichlorofluoromethane	3.25	101	31512	23.065	ug/l	94
8) Diethyl Ether	3.68	74	26082	20.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49897	21.486	ug/l	97
10) Methyl Iodide	4.26	142	63586	20.237	ug/l	99
11) Tert butyl alcohol	5.20	59	18711	112.240	ug/l	95
12) 1,1-Dichloroethene	4.03	96	46053	19.703	ug/l	99
13) Acrolein	3.90	56	9946	63.381	ug/l	96
14) Allyl chloride	4.67	41	95512	19.114	ug/l	96
15) Acrylonitrile	5.37	53	70233	109.266	ug/l	100
16) Acetone	4.13	43	68876	97.268	ug/l	98
17) Carbon Disulfide	4.38	76	106966	15.142	ug/l	98
18) Methyl Acetate	4.67	43	37497	21.380	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	90055	23.825	ug/l	97
20) Methylene Chloride	4.91	84	56947	21.273	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50598	20.187	ug/l	98
22) Diisopropyl ether	6.31	45	203146	21.932	ug/l	98
23) Vinyl Acetate	6.25	43	616475	108.150	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109489	21.710	ug/l	99
25) 2-Butanone	7.18	43	103591	107.657	ug/l	98
26) 2,2-Dichloropropane	7.16	77	68198	23.891	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59064	22.056	ug/l	99
28) Bromochloromethane	7.51	49	43717	19.889	ug/l	94
29) Tetrahydrofuran	7.53	42	65938	114.218	ug/l	98
30) Chloroform	7.67	83	110654	23.982	ug/l	94
31) Cyclohexane	7.95	56	100910	20.224	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	87104	23.864	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83934	21.271	ug/l	99
37) Ethyl Acetate	7.25	43	47231	21.843	ug/l	98
38) Carbon Tetrachloride	8.07	117	78964	23.121	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	99336	22.409	ug/l	99
40) Benzene	8.32	78	229332	21.285	ug/l	100
41) Methacrylonitrile	7.48	41	29748	23.408	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76750	22.729	ug/l	99
43) Isopropyl Acetate	8.42	43	91706	22.897	ug/l	99
44) Trichloroethene	9.09	130	62161	23.733	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67704	23.348	ug/l	99
46) Dibromomethane	9.46	93	30776	23.854	ug/l	98
47) Bromodichloromethane	9.65	83	82632	24.065	ug/l	97
48) Methyl methacrylate	9.43	41	44704	23.451	ug/l	96
49) 1,4-Dioxane	9.48	88	9545	483.266	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	250016	122.727	ug/l	100
52) Toluene	10.38	92	152485	23.558	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84914	24.278	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	97981	23.201	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44552	24.406	ug/l	96
56) Ethyl methacrylate	10.65	69	64457	24.262	ug/l	99
57) 1,3-Dichloropropane	10.93	76	82559	23.933	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	155118	113.765	ug/l	100
59) 2-Hexanone	10.97	43	175812	121.971	ug/l	99
60) Dibromochloromethane	11.13	129	51345	25.253	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41841	24.604	ug/l	97
64) Tetrachloroethene	10.86	164	48805	22.486	ug/l	93
65) Chlorobenzene	11.66	112	155600	23.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56736	24.671	ug/l	98
67) Ethyl Benzene	11.73	91	302706	23.838	ug/l	99
68) m/p-Xylenes	11.84	106	216558	47.343	ug/l	100
69) o-Xylene	12.16	106	102372	24.181	ug/l	100
70) Styrene	12.18	104	177649	24.243	ug/l	98
71) Bromoform	12.35	173	29441	25.695	ug/l #	100
73) Isopropylbenzene	12.46	105	292865	23.734	ug/l	99
74) N-amyl acetate	12.27	43	87155	23.377	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	53040	23.446	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	45724m	28.509	ug/l	
77) Bromobenzene	12.75	156	63806	23.901	ug/l	96
78) n-propylbenzene	12.80	91	352584	23.405	ug/l	98
79) 2-Chlorotoluene	12.89	91	200574	23.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	246169	23.874	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16870	23.062	ug/l	96
82) 4-Chlorotoluene	12.99	91	211158	23.579	ug/l	100
83) tert-Butylbenzene	13.21	119	216439	24.780	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	245633	23.715	ug/l	100
85) sec-Butylbenzene	13.38	105	297609	23.783	ug/l	100
86) p-Isopropyltoluene	13.50	119	271959	24.336	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	126011	24.133	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125583	24.222	ug/l	98
89) n-Butylbenzene	13.82	91	264931	23.840	ug/l	99
90) Hexachloroethane	14.09	117	45398	23.154	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	112517	24.563	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9097	23.853	ug/l	95

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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	81838	25.853	ug/l	100
94) Hexachlorobutadiene	15.24	225	53234	25.468	ug/l	99
95) Naphthalene	15.36	128	146308	25.839	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71335	25.829	ug/l	97

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

