

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011030.D
 Acq On : 27 Jun 2019 22:12
 Operator : SY/VA
 Sample : VW0628SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 8:28:28 AM

Quant Time: Jun 28 09:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143315	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	107938	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.32	98	437188	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.62	95	162010	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35252	22.444	ug/l	97
3) Chloromethane	2.21	50	45203	21.468	ug/l	97
4) Vinyl Chloride	2.36	62	56428	20.582	ug/l	99
5) Bromomethane	2.76	94	29206	21.402	ug/l	97
6) Chloroethane	2.91	64	30202	20.895	ug/l	98
7) Trichlorofluoromethane	3.25	101	14390	17.861	ug/l	99
8) Diethyl Ether	3.67	74	30200	23.669	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	46335	20.449	ug/l	99
10) Methyl Iodide	4.27	142	69305	21.862	ug/l	99
11) Tert butyl alcohol	5.17	59	22222	112.334	ug/l	99
12) 1,1-Dichloroethene	4.03	96	47212	20.018	ug/l	97
13) Acrolein	3.89	56	14724	95.448	ug/l	95
14) Allyl chloride	4.66	41	78917	20.790	ug/l	100
15) Acrylonitrile	5.36	53	72585	115.523	ug/l	99
16) Acetone	4.12	43	70366	105.837	ug/l	97
17) Carbon Disulfide	4.38	76	135154	20.199	ug/l	99
18) Methyl Acetate	4.67	43	45317	26.313	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	79052	23.681	ug/l	95
20) Methylene Chloride	4.91	84	60193	22.283	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	51093	21.023	ug/l	99
22) Diisopropyl ether	6.31	45	207381	22.702	ug/l	98
23) Vinyl Acetate	6.25	43	606701	107.791	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104300	21.631	ug/l	99
25) 2-Butanone	7.17	43	112906	111.722	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44606	17.818	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	56648	21.648	ug/l	99
28) Bromochloromethane	7.51	49	45839	20.421	ug/l	98
29) Tetrahydrofuran	7.52	42	73950	117.547	ug/l	99
30) Chloroform	7.67	83	94591	21.593	ug/l	98
31) Cyclohexane	7.95	56	105615	20.271	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66899	20.437	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75558	19.569	ug/l	99
37) Ethyl Acetate	7.25	43	50232	22.363	ug/l	99
38) Carbon Tetrachloride	8.06	117	61615	19.378	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	92278	19.420	ug/l	99
40) Benzene	8.32	78	220719	20.784	ug/l	99
41) Methacrylonitrile	7.48	41	26779	19.596	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	75635	21.722	ug/l	99
43) Isopropyl Acetate	8.42	43	94731	22.294	ug/l	99
44) Trichloroethene	9.09	130	51858	20.205	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60573	21.004	ug/l	97
46) Dibromomethane	9.45	93	29559	21.916	ug/l	99
47) Bromodichloromethane	9.64	83	70046	20.976	ug/l	100
48) Methyl methacrylate	9.43	41	44895	21.791	ug/l	97
49) 1,4-Dioxane	9.44	88	10327	455.389	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	250638	112.056	ug/l	100
52) Toluene	10.38	92	133873	20.590	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71072	20.434	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86701	20.896	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	41258	21.652	ug/l	97
56) Ethyl methacrylate	10.65	69	63182	22.143	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78614	21.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	140548	97.350	ug/l	100
59) 2-Hexanone	10.97	43	174838	112.089	ug/l	99
60) Dibromochloromethane	11.13	129	42259	21.149	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38657	21.670	ug/l	100
64) Tetrachloroethene	10.86	164	50297	22.286	ug/l	94
65) Chlorobenzene	11.66	112	135673	20.210	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	47130	20.678	ug/l	99
67) Ethyl Benzene	11.73	91	258666	20.118	ug/l	99
68) m/p-Xylenes	11.84	106	186595	39.994	ug/l	100
69) o-Xylene	12.16	106	88447	20.353	ug/l	98
70) Styrene	12.18	104	155874	20.641	ug/l	99
71) Bromoform	12.35	173	23122	20.809	ug/l #	98
73) Isopropylbenzene	12.46	105	241233	19.744	ug/l	99
74) N-amyl acetate	12.27	43	88506	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51000	21.256	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41567m	24.141	ug/l	
77) Bromobenzene	12.75	156	54404	20.258	ug/l	99
78) n-propylbenzene	12.80	91	296213	19.577	ug/l	99
79) 2-Chlorotoluene	12.89	91	173574	20.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206187	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14150	20.153	ug/l	96
82) 4-Chlorotoluene	12.99	91	183852	20.410	ug/l	98
83) tert-Butylbenzene	13.21	119	170878	19.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212227	20.275	ug/l	99
85) sec-Butylbenzene	13.38	105	246482	19.648	ug/l	99
86) p-Isopropyltoluene	13.50	119	219703	19.462	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107644	20.263	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107317	20.237	ug/l	99
89) n-Butylbenzene	13.82	91	222556	19.396	ug/l	99
90) Hexachloroethane	14.09	117	36695	18.997	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100129	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8563	21.000	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69214	20.618	ug/l	98
94) Hexachlorobutadiene	15.24	225	39744	19.520	ug/l	99
95) Naphthalene	15.37	128	139900	22.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	63879	21.311	ug/l	99

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

