

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010886.D
 Acq On : 20 Jun 2019 12:26
 Operator : SY/VA
 Sample : VW0620SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0620SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/21/2019 3:20:51 PM

Quant Time: Jun 21 08:01:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245621	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	408620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	361417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173646	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	163168	56.36	ug/l	0.00
Spiked Amount			Recovery	=	112.72%	
35) Dibromofluoromethane	7.88	113	124510	56.14	ug/l	0.00
Spiked Amount			Recovery	=	112.28%	
50) Toluene-d8	10.32	98	517335	53.19	ug/l	0.00
Spiked Amount			Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.62	95	191192	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	44625	19.660	ug/l	99
3) Chloromethane	2.21	50	66883	20.028	ug/l	100
4) Vinyl Chloride	2.35	62	59620	19.323	ug/l	98
5) Bromomethane	2.74	94	34567	20.402	ug/l	99
6) Chloroethane	2.90	64	36836	19.890	ug/l	100
7) Trichlorofluoromethane	3.25	101	83625	20.880	ug/l	98
8) Diethyl Ether	3.68	74	29724	20.767	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50988	20.707	ug/l	98
10) Methyl Iodide	4.26	142	36895	17.948	ug/l	97
11) Tert butyl alcohol	5.17	59	34135	144.729	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	47663	20.066	ug/l	97
13) Acrolein	3.90	56	6980	72.423	ug/l	99
14) Allyl chloride	4.67	41	109466	20.901	ug/l	98
15) Acrylonitrile	5.37	53	74278	106.822	ug/l	99
16) Acetone	4.12	43	84784	109.296	ug/l	95
17) Carbon Disulfide	4.37	76	134289	17.809	ug/l	98
18) Methyl Acetate	4.67	43	39899	23.894	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	143807	20.991	ug/l	97
20) Methylene Chloride	4.92	84	57608	21.169	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54803	20.324	ug/l	95
22) Diisopropyl ether	6.31	45	229805	21.917	ug/l	96
23) Vinyl Acetate	6.25	43	673890	106.494	ug/l	99
24) 1,1-Dichloroethane	6.21	63	112307	21.373	ug/l	99
25) 2-Butanone	7.17	43	121553	113.004	ug/l	99
26) 2,2-Dichloropropane	7.17	77	97126	22.715	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	62497	21.061	ug/l	95
28) Bromochloromethane	7.51	49	52956	22.582	ug/l	95
29) Tetrahydrofuran	7.53	42	72637	107.359	ug/l	97
30) Chloroform	7.68	83	103647	21.565	ug/l	99
31) Cyclohexane	7.95	56	119120	20.393	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	87964	20.951	ug/l	98
36) 1,1-Dichloropropene	8.08	75	86274	20.626	ug/l	100
37) Ethyl Acetate	7.25	43	49662	21.426	ug/l	100
38) Carbon Tetrachloride	8.07	117	72907	20.192	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106554	20.040	ug/l	99
40) Benzene	8.32	78	238606	20.911	ug/l	98
41) Methacrylonitrile	7.48	41	28338	20.569	ug/l	97
42) 1,2-Dichloroethane	8.40	62	78177	21.587	ug/l	99
43) Isopropyl Acetate	8.43	43	94448	21.092	ug/l	99
44) Trichloroethene	9.09	130	56586	20.104	ug/l	100
45) 1,2-Dichloropropane	9.37	63	64179	21.247	ug/l	100
46) Dibromomethane	9.46	93	28994	20.666	ug/l	98
47) Bromodichloromethane	9.64	83	73870	20.312	ug/l	95
48) Methyl methacrylate	9.43	41	44041	20.399	ug/l	99
49) 1,4-Dioxane	9.45	88	8362	381.223	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	245493	107.314	ug/l	99
52) Toluene	10.39	92	144426	20.571	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	78052	20.263	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	93127	20.546	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	42070	20.815	ug/l	99
56) Ethyl methacrylate	10.65	69	62746	20.176	ug/l	95
57) 1,3-Dichloropropane	10.93	76	81654	21.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	178717	109.715	ug/l	99
59) 2-Hexanone	10.97	43	175478	106.138	ug/l	97
60) Dibromochloromethane	11.13	129	43499	19.415	ug/l	99
61) 1,2-Dibromoethane	11.24	107	39608	20.684	ug/l	99
64) Tetrachloroethene	10.86	164	47879	19.952	ug/l	94
65) Chlorobenzene	11.66	112	147410	20.741	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	50954	20.711	ug/l	99
67) Ethyl Benzene	11.73	91	282962	20.716	ug/l	100
68) m/p-Xylenes	11.84	106	201369	41.183	ug/l	98
69) o-Xylene	12.16	106	94886	20.461	ug/l	97
70) Styrene	12.18	104	165128	20.498	ug/l	99
71) Bromoform	12.35	173	23596	18.544	ug/l #	100
73) Isopropylbenzene	12.46	105	266426	20.418	ug/l	99
74) N-amyl acetate	12.27	43	88883	21.076	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51347	20.670	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	37626m	20.634	ug/l	
77) Bromobenzene	12.75	156	58649	20.591	ug/l	98
78) n-propylbenzene	12.80	91	326349	20.741	ug/l	99
79) 2-Chlorotoluene	12.90	91	186694	20.769	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	220872	20.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14395	18.143	ug/l	92
82) 4-Chlorotoluene	12.99	91	193827	20.894	ug/l	99
83) tert-Butylbenzene	13.21	119	187163	20.648	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	220244	20.492	ug/l	100
85) sec-Butylbenzene	13.38	105	272097	20.617	ug/l	99
86) p-Isopropyltoluene	13.50	119	241951	20.501	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	112702	20.518	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	113363	20.817	ug/l	98
89) n-Butylbenzene	13.83	91	244866	20.795	ug/l	99
90) Hexachloroethane	14.10	117	40990	19.394	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	101334	20.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8337	19.544	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	71770	20.704	ug/l	99
94) Hexachlorobutadiene	15.24	225	44845	20.613	ug/l	100
95) Naphthalene	15.37	128	123869	19.667	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	61802	20.964	ug/l	99

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

