

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030719\
 Data File : VW009042.D
 Acq On : 07 Mar 2019 16:22
 Operator : SY/VA
 Sample : VW0307SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0307SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:06:25 PM

Quant Time: Mar 08 06:06:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	415589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	394820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220466	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	153705	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.88	113	132643	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
50) Toluene-d8	10.32	98	548507	53.37	ug/l	0.00
Spiked Amount			Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	206576	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	66630	22.674	ug/l	99
3) Chloromethane	2.21	50	79071	21.181	ug/l	99
4) Vinyl Chloride	2.35	62	76528	20.201	ug/l	98
5) Bromomethane	2.76	94	70462	22.034	ug/l	96
6) Chloroethane	2.92	64	53550	19.855	ug/l	99
7) Trichlorofluoromethane	3.26	101	104259	21.374	ug/l	96
8) Diethyl Ether	3.68	74	31310	20.993	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64490	21.228	ug/l	99
10) Methyl Iodide	4.28	142	59966	20.224	ug/l	98
11) Tert butyl alcohol	5.19	59	23060	102.579	ug/l	100
12) 1,1-Dichloroethene	4.04	96	56746	21.654	ug/l	96
13) Acrolein	3.90	56	24308	98.264	ug/l	99
14) Allyl chloride	4.67	41	92619	20.037	ug/l	97
15) Acrylonitrile	5.37	53	64512	99.104	ug/l	97
16) Acetone	4.14	43	65860	99.488	ug/l	96
17) Carbon Disulfide	4.38	76	179911	20.405	ug/l	99
18) Methyl Acetate	4.67	43	27972	18.375	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	139301	20.095	ug/l	96
20) Methylene Chloride	4.92	84	65576	17.534	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	61797	20.423	ug/l	91
22) Diisopropyl ether	6.32	45	190337	20.720	ug/l	98
23) Vinyl Acetate	6.26	43	581846	101.785	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109991	20.643	ug/l	99
25) 2-Butanone	7.18	43	89127	97.419	ug/l	97
26) 2,2-Dichloropropane	7.17	77	102194	21.101	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	66740	20.537	ug/l	99
28) Bromochloromethane	7.51	49	44155	19.924	ug/l	99
29) Tetrahydrofuran	7.53	42	55445	96.169	ug/l	99
30) Chloroform	7.67	83	111879	20.395	ug/l	97
31) Cyclohexane	7.95	56	109786	20.067	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	102960	20.338	ug/l	99
36) 1,1-Dichloropropene	8.09	75	91257	21.001	ug/l	98
37) Ethyl Acetate	7.26	43	38929	19.072	ug/l	96
38) Carbon Tetrachloride	8.07	117	93783	20.898	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107005	20.674	ug/l	99
40) Benzene	8.32	78	243591	20.999	ug/l	95
41) Methacrylonitrile	7.48	41	21331	18.819	ug/l	93
42) 1,2-Dichloroethane	8.40	62	74585	19.916	ug/l	98
43) Isopropyl Acetate	8.43	43	74452	19.585	ug/l	100
44) Trichloroethene	9.09	130	68044	20.929	ug/l	96
45) 1,2-Dichloropropane	9.37	63	59673	20.539	ug/l	98
46) Dibromomethane	9.46	93	31992	20.163	ug/l	98
47) Bromodichloromethane	9.65	83	81168	20.209	ug/l	96
48) Methyl methacrylate	9.43	41	33078	18.687	ug/l	90
49) 1,4-Dioxane	9.46	88	8274	364.154	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	186244	96.504	ug/l	99
52) Toluene	10.39	92	159441	20.267	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	80199	20.189	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95756	20.976	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43914	20.420	ug/l	97
56) Ethyl methacrylate	10.65	69	50469	18.909	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77984	20.470	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	136539	98.680	ug/l	100
59) 2-Hexanone	10.97	43	134831	99.367	ug/l	98
60) Dibromochloromethane	11.13	129	54449	20.458	ug/l	99
61) 1,2-Dibromoethane	11.23	107	42183	20.008	ug/l	99
64) Tetrachloroethene	10.86	164	57609	20.233	ug/l	94
65) Chlorobenzene	11.66	112	175871	20.465	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	59705	20.807	ug/l	99
67) Ethyl Benzene	11.73	91	312887	20.154	ug/l	97
68) m/p-Xylenes	11.84	106	249742	40.755	ug/l	100
69) o-Xylene	12.16	106	115770	20.304	ug/l	98
70) Styrene	12.18	104	188012	20.380	ug/l	99
71) Bromoform	12.35	173	30748	19.957	ug/l #	99
73) Isopropylbenzene	12.47	105	319396	20.230	ug/l	100
74) N-amyl acetate	12.27	43	73625	19.699	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49725	19.967	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36145m	20.751	ug/l	
77) Bromobenzene	12.75	156	74434	20.634	ug/l	94
78) n-propylbenzene	12.80	91	397651	20.448	ug/l	99
79) 2-Chlorotoluene	12.90	91	222499	20.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	274237	20.151	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15591	20.020	ug/l	94
82) 4-Chlorotoluene	12.99	91	233774	20.072	ug/l	98
83) tert-Butylbenzene	13.21	119	243215	21.191	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	279708	20.318	ug/l	100
85) sec-Butylbenzene	13.38	105	348891	20.517	ug/l	99
86) p-Isopropyltoluene	13.50	119	305705	20.096	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153726	20.278	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	152667	20.377	ug/l	99
89) n-Butylbenzene	13.83	91	293451	20.291	ug/l	99
90) Hexachloroethane	14.10	117	53140	20.254	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	136726	20.441	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8682	19.574	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	92662	20.513	ug/l	98
94) Hexachlorobutadiene	15.24	225	60083	21.235	ug/l	96
95) Naphthalene	15.37	128	144899	19.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	80022	20.146	ug/l	99

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

