

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090519\
 Data File : VW012637.D
 Acq On : 05 Sep 2019 13:32
 Operator : SY/VA
 Sample : VW0905SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0905SBS03

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 12:29:26 PM

Quant Time: Sep 05 16:56:53 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	260620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167507	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	136006	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
35) Dibromofluoromethane	7.88	113	111052	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	
50) Toluene-d8	10.32	98	437981	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
62) 4-Bromofluorobenzene	12.62	95	157681	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	38909	24.246	ug/l	99
3) Chloromethane	2.21	50	47764	19.212	ug/l	100
4) Vinyl Chloride	2.35	62	57037	18.744	ug/l	97
5) Bromomethane	2.77	94	28275	18.347	ug/l	95
6) Chloroethane	2.90	64	30067	17.515	ug/l	98
7) Trichlorofluoromethane	3.24	101	33880	22.173	ug/l	95
8) Diethyl Ether	3.68	74	26796	18.476	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58130	22.381	ug/l	97
10) Methyl Iodide	4.26	142	71664	20.393	ug/l	99
11) Tert butyl alcohol	5.21	59	19898	106.724	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	53595	20.502	ug/l	99
13) Acrolein	3.90	56	9611	54.762	ug/l	88
14) Allyl chloride	4.66	41	114634	20.512	ug/l	99
15) Acrylonitrile	5.37	53	76505	106.423	ug/l	99
16) Acetone	4.14	43	77727	98.147	ug/l	97
17) Carbon Disulfide	4.38	76	120659	15.272	ug/l	98
18) Methyl Acetate	4.67	43	41555	21.185	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	97418	23.044	ug/l	100
20) Methylene Chloride	4.92	84	62647	20.925	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	57803	20.620	ug/l	92
22) Diisopropyl ether	6.31	45	226975	21.911	ug/l	97
23) Vinyl Acetate	6.25	43	676885	106.176	ug/l	100
24) 1,1-Dichloroethane	6.21	63	121570	21.554	ug/l	99
25) 2-Butanone	7.17	43	106145	98.633	ug/l	98
26) 2,2-Dichloropropane	7.16	77	75032	23.503	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	66151	22.087	ug/l	99
28) Bromochloromethane	7.51	49	47264	19.226	ug/l	95
29) Tetrahydrofuran	7.53	42	68615	106.272	ug/l	99
30) Chloroform	7.67	83	117678	22.804	ug/l	97
31) Cyclohexane	7.95	56	111055	19.901	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	95137	23.305	ug/l	99
36) 1,1-Dichloropropene	8.08	75	91919	22.626	ug/l	100
37) Ethyl Acetate	7.25	43	49548	22.256	ug/l	98
38) Carbon Tetrachloride	8.07	117	85579	24.338	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	101626	22.267	ug/l	98
40) Benzene	8.32	78	250274	22.561	ug/l	98
41) Methacrylonitrile	7.48	41	31768	24.279	ug/l	97
42) 1,2-Dichloroethane	8.40	62	80679	23.205	ug/l	99
43) Isopropyl Acetate	8.42	43	92629	22.462	ug/l	99
44) Trichloroethene	9.09	130	63357	23.494	ug/l	93
45) 1,2-Dichloropropane	9.37	63	66269	22.197	ug/l	95
46) Dibromomethane	9.46	93	30834	23.212	ug/l	99
47) Bromodichloromethane	9.64	83	82477	23.329	ug/l	99
48) Methyl methacrylate	9.43	41	43037	21.928	ug/l	94
49) 1,4-Dioxane	9.48	88	8761	430.821	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	238242	113.586	ug/l	100
52) Toluene	10.38	92	152547	22.890	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	84354	23.424	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	98729	22.706	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44543	23.700	ug/l	95
56) Ethyl methacrylate	10.65	69	62467	22.837	ug/l	98
57) 1,3-Dichloropropane	10.93	76	82341	23.184	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	153278	109.184	ug/l	99
59) 2-Hexanone	10.97	43	164317	110.719	ug/l	100
60) Dibromochloromethane	11.13	129	49471	23.632	ug/l	98
61) 1,2-Dibromoethane	11.24	107	40973	23.401	ug/l	98
64) Tetrachloroethene	10.86	164	51028	22.996	ug/l	97
65) Chlorobenzene	11.66	112	156954	23.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	56737	24.131	ug/l	99
67) Ethyl Benzene	11.73	91	302855	23.328	ug/l	97
68) m/p-Xylenes	11.84	106	217781	46.569	ug/l	100
69) o-Xylene	12.16	106	102489	23.679	ug/l	100
70) Styrene	12.18	104	179328	23.937	ug/l	100
71) Bromoform	12.35	173	28650	24.457	ug/l #	98
73) Isopropylbenzene	12.46	105	296221	23.600	ug/l	99
74) N-amyl acetate	12.27	43	82496	21.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51412	22.343	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	42677m	26.160	ug/l	
77) Bromobenzene	12.74	156	64785	23.858	ug/l	93
78) n-propylbenzene	12.80	91	354973	23.166	ug/l	98
79) 2-Chlorotoluene	12.89	91	201941	23.213	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	247673	23.615	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16393	22.032	ug/l	99
82) 4-Chlorotoluene	12.99	91	212169	23.292	ug/l	99
83) tert-Butylbenzene	13.21	119	216002	24.313	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	245011	23.256	ug/l	99
85) sec-Butylbenzene	13.38	105	301058	23.653	ug/l	100
86) p-Isopropyltoluene	13.50	119	270683	23.813	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	123940	23.336	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	125254	23.751	ug/l	99
89) n-Butylbenzene	13.82	91	266675	23.591	ug/l	100
90) Hexachloroethane	14.09	117	44948	22.538	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	110778	23.776	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8905	22.956	ug/l	97

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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	77408	24.041	ug/l	99
94) Hexachlorobutadiene	15.23	225	52889	24.876	ug/l	98
95) Naphthalene	15.36	128	133578	23.636	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	66391	23.633	ug/l	99

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

