

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070919\
 Data File : VW011172.D
 Acq On : 09 Jul 2019 12:05
 Operator : SY/VA
 Sample : VW0709SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0709SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:47:32 AM

Quant Time: Jul 10 04:49:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 07:16:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226777	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	140170	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
35) Dibromofluoromethane	7.88	113	110900	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	
50) Toluene-d8	10.32	98	456031	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	12.62	95	165326	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	37166	21.975	ug/l	100
3) Chloromethane	2.21	50	47770	21.919	ug/l	99
4) Vinyl Chloride	2.35	62	62797	22.015	ug/l	98
5) Bromomethane	2.76	94	31426	21.925	ug/l	96
6) Chloroethane	2.91	64	32102	20.894	ug/l	99
7) Trichlorofluoromethane	3.25	101	20221	19.955	ug/l	96
8) Diethyl Ether	3.67	74	27854	19.866	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52931	21.807	ug/l	99
10) Methyl Iodide	4.27	142	68522	20.526	ug/l	100
11) Tert butyl alcohol	5.17	59	20126	95.397	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	53666	21.302	ug/l	92
13) Acrolein	3.89	56	14629	87.080	ug/l	95
14) Allyl chloride	4.65	41	96383	20.980	ug/l	100
15) Acrylonitrile	5.36	53	71305	99.856	ug/l	100
16) Acetone	4.11	43	72523	105.776	ug/l	99
17) Carbon Disulfide	4.38	76	154498	20.229	ug/l	98
18) Methyl Acetate	4.67	43	45197	22.401	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	77734	20.336	ug/l	99
20) Methylene Chloride	4.91	84	60672	22.432	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	55249	21.106	ug/l	95
22) Diisopropyl ether	6.31	45	205094	20.757	ug/l	99
23) Vinyl Acetate	6.25	43	601251	98.325	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108565	20.924	ug/l	99
25) 2-Butanone	7.17	43	106151	98.629	ug/l	99
26) 2,2-Dichloropropane	7.16	77	57640	21.371	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	59019	20.900	ug/l	100
28) Bromochloromethane	7.50	49	47271	20.037	ug/l #	23
29) Tetrahydrofuran	7.52	42	69408	98.352	ug/l	99
30) Chloroform	7.67	83	99821	20.774	ug/l	99
31) Cyclohexane	7.95	56	115592	20.941	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	76785	21.007	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84791	21.793	ug/l	100
37) Ethyl Acetate	7.24	43	46067	19.706	ug/l	99
38) Carbon Tetrachloride	8.06	117	69581	21.096	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	102328	21.699	ug/l	96
40) Benzene	8.32	78	232378	21.611	ug/l	100
41) Methacrylonitrile	7.48	41	29974	22.419	ug/l	90
42) 1,2-Dichloroethane	8.40	62	74521	21.365	ug/l	100
43) Isopropyl Acetate	8.42	43	88999	20.165	ug/l	99
44) Trichloroethene	9.09	130	55711	21.531	ug/l	97
45) 1,2-Dichloropropane	9.37	63	62131	21.338	ug/l	98
46) Dibromomethane	9.46	93	28438	20.791	ug/l	99
47) Bromodichloromethane	9.64	83	73102	20.888	ug/l	98
48) Methyl methacrylate	9.43	41	42083	19.819	ug/l	98
49) 1,4-Dioxane	9.45	88	9253	405.284	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	231268	100.312	ug/l	100
52) Toluene	10.38	92	141190	21.646	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74847	20.092	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	90347	20.605	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	40918	21.087	ug/l	97
56) Ethyl methacrylate	10.65	69	59848	20.258	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76689	20.900	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	127392	93.014	ug/l	99
59) 2-Hexanone	10.97	43	163016	101.958	ug/l	100
60) Dibromochloromethane	11.13	129	43071	20.242	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38194	20.780	ug/l	98
64) Tetrachloroethene	10.86	164	46917	21.428	ug/l	98
65) Chlorobenzene	11.66	112	142055	21.533	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	48143	20.726	ug/l	99
67) Ethyl Benzene	11.73	91	270876	21.449	ug/l	99
68) m/p-Xylenes	11.83	106	196159	42.926	ug/l	97
69) o-Xylene	12.16	106	92380	21.449	ug/l	99
70) Styrene	12.18	104	158315	21.298	ug/l	100
71) Bromoform	12.35	173	23887	19.342	ug/l #	100
73) Isopropylbenzene	12.46	105	256196	21.662	ug/l	100
74) N-amyl acetate	12.27	43	84022	20.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	49528	20.430	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34790m	19.029	ug/l	
77) Bromobenzene	12.75	156	57427	21.637	ug/l	96
78) n-propylbenzene	12.80	91	319769	21.949	ug/l	100
79) 2-Chlorotoluene	12.89	91	180385	21.516	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	219513	21.848	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15467	19.134	ug/l	98
82) 4-Chlorotoluene	12.99	91	189346	21.684	ug/l	99
83) tert-Butylbenzene	13.21	119	184602	22.030	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	220261	21.832	ug/l	100
85) sec-Butylbenzene	13.38	105	268917	22.241	ug/l	100
86) p-Isopropyltoluene	13.50	119	240684	22.194	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	112438	22.018	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112605	21.898	ug/l	98
89) n-Butylbenzene	13.82	91	244998	22.646	ug/l	100
90) Hexachloroethane	14.10	117	42378	21.384	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100718	21.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8413	19.564	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	72787	22.811	ug/l	98
94) Hexachlorobutadiene	15.24	225	44195	22.560	ug/l	98
95) Naphthalene	15.37	128	128759	21.057	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	62725	22.273	ug/l	99

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

