

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
 Data File : VW012986.D
 Acq On : 14 Sep 2019 12:03
 Operator : SY/VA
 Sample : VW0915SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0915SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:14:30 AM

Quant Time: Sep 16 07:24:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	300715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	444619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	188803	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	145917	52.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.08%	
35) Dibromofluoromethane	7.88	113	119928	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
50) Toluene-d8	10.32	98	473201	50.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	168135	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	25046	18.982	ug/l	90
3) Chloromethane	2.21	50	36167	22.305	ug/l	100
4) Vinyl Chloride	2.35	62	45144	20.974	ug/l	100
5) Bromomethane	2.77	94	24528	18.660	ug/l	97
6) Chloroethane	2.92	64	25672	19.447	ug/l	99
7) Trichlorofluoromethane	3.25	101	29584	19.655	ug/l	100
8) Diethyl Ether	3.68	74	21994	18.714	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43170	18.910	ug/l	99
10) Methyl Iodide	4.27	142	56705	19.848	ug/l	99
11) Tert butyl alcohol	5.19	59	19714m	91.579	ug/l	
12) 1,1-Dichloroethene	4.04	96	40690	19.603	ug/l	93
13) Acrolein	3.89	56	23232	109.532	ug/l	98
14) Allyl chloride	4.66	41	77473	19.660	ug/l	98
15) Acrylonitrile	5.36	53	67456	112.375	ug/l	98
16) Acetone	4.13	43	64623	95.122	ug/l	96
17) Carbon Disulfide	4.38	76	84332	20.387	ug/l	98
18) Methyl Acetate	4.67	43	35504	22.438	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	85436	20.851	ug/l	95
20) Methylene Chloride	4.92	84	49326	18.741	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	45565	20.496	ug/l	97
22) Diisopropyl ether	6.31	45	172339	21.052	ug/l	97
23) Vinyl Acetate	6.25	43	534755	109.065	ug/l	98
24) 1,1-Dichloroethane	6.21	63	95660	20.267	ug/l	99
25) 2-Butanone	7.17	43	98553	111.596	ug/l	99
26) 2,2-Dichloropropane	7.16	77	65159	19.070	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	52890	19.871	ug/l	98
28) Bromochloromethane	7.51	49	38967	19.615	ug/l	96
29) Tetrahydrofuran	7.53	42	59554	118.354	ug/l	96
30) Chloroform	7.67	83	94129	19.627	ug/l	100
31) Cyclohexane	7.95	56	82924	20.933	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	78014	19.753	ug/l	99
36) 1,1-Dichloropropene	8.07	75	71454	20.111	ug/l	99
37) Ethyl Acetate	7.25	43	42916	22.757	ug/l	99
38) Carbon Tetrachloride	8.07	117	70810	19.448	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78411	20.140	ug/l	96
40) Benzene	8.32	78	196806	19.842	ug/l	99
41) Methacrylonitrile	7.48	41	28273	22.766	ug/l	94
42) 1,2-Dichloroethane	8.40	62	67801	20.392	ug/l	98
43) Isopropyl Acetate	8.42	43	77451	21.390	ug/l	99
44) Trichloroethene	9.09	130	51715	19.036	ug/l	92
45) 1,2-Dichloropropane	9.37	63	52878	20.066	ug/l	100
46) Dibromomethane	9.46	93	26234	20.779	ug/l	98
47) Bromodichloromethane	9.64	83	67635	19.099	ug/l	97
48) Methyl methacrylate	9.43	41	37354	21.982	ug/l	94
49) 1,4-Dioxane	9.46	88	9514	449.727	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	209552	112.098	ug/l	100
52) Toluene	10.38	92	122624	19.456	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	71612	20.107	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	82012	20.125	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38669	20.105	ug/l	99
56) Ethyl methacrylate	10.65	69	54263	20.960	ug/l	97
57) 1,3-Dichloropropane	10.93	76	70605	20.694	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	147157	105.966	ug/l	99
59) 2-Hexanone	10.97	43	150103	115.317	ug/l	98
60) Dibromochloromethane	11.13	129	42919	18.458	ug/l	95
61) 1,2-Dibromoethane	11.23	107	36993	21.085	ug/l	98
64) Tetrachloroethene	10.86	164	44511	19.399	ug/l	97
65) Chlorobenzene	11.65	112	130889	19.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	49249	18.707	ug/l	99
67) Ethyl Benzene	11.73	91	248675	19.599	ug/l	98
68) m/p-Xylenes	11.84	106	182906	39.461	ug/l	100
69) o-Xylene	12.16	106	83610	19.241	ug/l	99
70) Styrene	12.18	104	149934	19.396	ug/l	98
71) Bromoform	12.35	173	27361	19.786	ug/l #	97
73) Isopropylbenzene	12.46	105	241845	19.325	ug/l	99
74) N-amyl acetate	12.27	43	66874	20.773	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	45235	20.580	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	31765m	19.208	ug/l	
77) Bromobenzene	12.74	156	56052	19.442	ug/l	97
78) n-propylbenzene	12.80	91	284702	19.340	ug/l	100
79) 2-Chlorotoluene	12.89	91	167580	19.803	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208769	19.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15700	21.536	ug/l	99
82) 4-Chlorotoluene	12.99	91	175760	19.685	ug/l	99
83) tert-Butylbenzene	13.21	119	185821	19.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	211174	20.185	ug/l	100
85) sec-Butylbenzene	13.38	105	250025	19.379	ug/l	99
86) p-Isopropyltoluene	13.50	119	234877	19.828	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111251	19.493	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	107416	19.153	ug/l	97
89) n-Butylbenzene	13.82	91	221926	19.866	ug/l	99
90) Hexachloroethane	14.09	117	37782	17.798	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	100987	20.121	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8728	21.694	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70707	19.754	ug/l	99
94) Hexachlorobutadiene	15.23	225	49042	19.355	ug/l	99
95) Naphthalene	15.36	128	127903	21.386	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62424	19.729	ug/l	100

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

