

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012587.D
 Acq On : 04 Sep 2019 11:57
 Operator : SY/VA
 Sample : VW0904SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:11 AM

Quant Time: Sep 05 06:59:49 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	224776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	302203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	143252	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	112273	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
50) Toluene-d8	10.32	98	439662	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
62) 4-Bromofluorobenzene	12.62	95	159143	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28039	20.259	ug/l	94
3) Chloromethane	2.21	50	41925	19.552	ug/l	100
4) Vinyl Chloride	2.35	62	48623	18.527	ug/l	100
5) Bromomethane	2.73	94	18658	14.037	ug/l	97
6) Chloroethane	2.90	64	27511	18.582	ug/l	96
7) Trichlorofluoromethane	3.24	101	28747	21.814	ug/l	97
8) Diethyl Ether	3.68	74	25835	20.654	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	48432	21.621	ug/l	97
10) Methyl Iodide	4.27	142	61839	20.403	ug/l	96
11) Tert butyl alcohol	5.17	59	21264	132.237	ug/l	97
12) 1,1-Dichloroethene	4.03	96	47208	20.938	ug/l	94
13) Acrolein	3.89	56	10795	71.317	ug/l	94
14) Allyl chloride	4.66	41	95823	19.880	ug/l	97
15) Acrylonitrile	5.36	53	71569	115.432	ug/l	99
16) Acetone	4.12	43	79647	116.609	ug/l	99
17) Carbon Disulfide	4.38	76	114047	16.737	ug/l	97
18) Methyl Acetate	4.67	43	42058	24.861	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	85627	23.485	ug/l	99
20) Methylene Chloride	4.91	84	57041	22.091	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49069	20.295	ug/l	98
22) Diisopropyl ether	6.31	45	196505	21.994	ug/l	99
23) Vinyl Acetate	6.25	43	596539	108.494	ug/l	100
24) 1,1-Dichloroethane	6.21	63	106251	21.842	ug/l	98
25) 2-Butanone	7.17	43	107927	116.281	ug/l	99
26) 2,2-Dichloropropane	7.17	77	63108	22.920	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	55589	21.520	ug/l	97
28) Bromochloromethane	7.51	49	44673	21.070	ug/l	94
29) Tetrahydrofuran	7.53	42	66206	118.893	ug/l	99
30) Chloroform	7.67	83	102381	23.004	ug/l	93
31) Cyclohexane	7.95	56	91150	18.939	ug/l	# 94
32) 1,1,1-Trichloroethane	7.87	97	81583	23.172	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79208	22.108	ug/l	100
37) Ethyl Acetate	7.25	43	46144	23.503	ug/l	99
38) Carbon Tetrachloride	8.06	117	74958	24.172	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	81543	20.259	ug/l	96
40) Benzene	8.32	78	216799	22.160	ug/l	100
41) Methacrylonitrile	7.48	41	28403	24.614	ug/l	97
42) 1,2-Dichloroethane	8.40	62	75102	24.494	ug/l	99
43) Isopropyl Acetate	8.42	43	86970	23.914	ug/l	99
44) Trichloroethene	9.09	130	52866	22.229	ug/l	93
45) 1,2-Dichloropropane	9.37	63	58804	22.334	ug/l	97
46) Dibromomethane	9.46	93	27531	23.501	ug/l	99
47) Bromodichloromethane	9.64	83	73961	23.722	ug/l	99
48) Methyl methacrylate	9.43	41	41294	23.857	ug/l	99
49) 1,4-Dioxane	9.45	88	8438	470.506	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	231221	125.002	ug/l	99
52) Toluene	10.38	92	132496	22.544	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	74892	23.582	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	86918	22.666	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39338	23.734	ug/l	96
56) Ethyl methacrylate	10.65	69	57791	23.957	ug/l	99
57) 1,3-Dichloropropane	10.93	76	74114	23.662	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	135414	109.377	ug/l	99
59) 2-Hexanone	10.97	43	167736	128.159	ug/l	99
60) Dibromochloromethane	11.13	129	45052	24.403	ug/l	98
61) 1,2-Dibromoethane	11.23	107	36926	23.913	ug/l	99
64) Tetrachloroethene	10.86	164	44145	22.531	ug/l	99
65) Chlorobenzene	11.66	112	134373	22.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49668	23.926	ug/l	98
67) Ethyl Benzene	11.73	91	260606	22.735	ug/l	99
68) m/p-Xylenes	11.84	106	187485	45.406	ug/l	98
69) o-Xylene	12.16	106	87877	22.995	ug/l	98
70) Styrene	12.18	104	154450	23.349	ug/l	99
71) Bromoform	12.35	173	26188	25.320	ug/l	# 98
73) Isopropylbenzene	12.46	105	251212	21.705	ug/l	99
74) N-amyl acetate	12.27	43	80777	23.100	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	48551	22.881	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	40404m	26.858	ug/l	
77) Bromobenzene	12.75	156	56000	22.365	ug/l	97
78) n-propylbenzene	12.80	91	304847	21.575	ug/l	98
79) 2-Chlorotoluene	12.89	91	173572	21.637	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	216463	22.382	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15223	22.187	ug/l	93
82) 4-Chlorotoluene	12.99	91	185353	22.067	ug/l	100
83) tert-Butylbenzene	13.21	119	184567	22.529	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	217006	22.337	ug/l	99
85) sec-Butylbenzene	13.38	105	257826	21.967	ug/l	100
86) p-Isopropyltoluene	13.50	119	237007	22.611	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	111647	22.796	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108766	22.366	ug/l	97
89) n-Butylbenzene	13.82	91	230127	22.078	ug/l	100
90) Hexachloroethane	14.09	117	39835	21.661	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	100744	23.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8506	23.779	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70626	23.787	ug/l	100
94) Hexachlorobutadiene	15.24	225	47457	24.207	ug/l	99
95) Naphthalene	15.36	128	120138	23.159	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	60904	23.511	ug/l	98

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

