

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008476.D
 Acq On : 01 Feb 2019 12:45
 Operator : SY/VA
 Sample : VW0201SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:22 PM

Quant Time: Feb 02 01:34:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	430561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	658660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	580028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	299675	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	210501	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	7.88	113	206523	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
50) Toluene-d8	10.32	98	783378	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.62	95	290909	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	39497	18.094	ug/l	95
3) Chloromethane	2.21	50	53521	15.228	ug/l	96
4) Vinyl Chloride	2.37	62	73339	16.392	ug/l	96
5) Bromomethane	2.78	94	64340	22.296	ug/l	96
6) Chloroethane	2.92	64	55178	20.166	ug/l	99
7) Trichlorofluoromethane	3.25	101	60633	18.834	ug/l	95
8) Diethyl Ether	3.67	74	38485	17.923	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70274	18.046	ug/l	96
10) Methyl Iodide	4.26	142	114786	18.661	ug/l	99
11) Tert butyl alcohol	5.20	59	28300	83.100	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	69640	17.670	ug/l	95
13) Acrolein	3.89	56	30195	102.997	ug/l	99
14) Allyl chloride	4.66	41	119669	15.991	ug/l	96
15) Acrylonitrile	5.37	53	82052	88.496	ug/l	98
16) Acetone	4.13	43	82525	86.880	ug/l	96
17) Carbon Disulfide	4.37	76	210883	16.754	ug/l	100
18) Methyl Acetate	4.67	43	42472	16.764	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	123040	18.870	ug/l	91
20) Methylene Chloride	4.91	84	80223	18.324	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	78147	17.638	ug/l	94
22) Diisopropyl ether	6.31	45	231362	16.312	ug/l	98
23) Vinyl Acetate	6.25	43	703538	84.006	ug/l	98
24) 1,1-Dichloroethane	6.21	63	134445	16.746	ug/l	98
25) 2-Butanone	7.17	43	117375	88.963	ug/l	98
26) 2,2-Dichloropropane	7.16	77	95959	17.683	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	84585	17.517	ug/l	98
28) Bromochloromethane	7.51	49	64984	17.623	ug/l	94
29) Tetrahydrofuran	7.53	42	73634	88.070	ug/l	97
30) Chloroform	7.67	83	137430	17.404	ug/l	97
31) Cyclohexane	7.95	56	133694	16.105	ug/l	91
32) 1,1,1-Trichloroethane	7.87	97	121460	17.808	ug/l	98
36) 1,1-Dichloropropene	8.08	75	111620	17.940	ug/l	99
37) Ethyl Acetate	7.26	43	50630	18.393	ug/l	99
38) Carbon Tetrachloride	8.06	117	117561	18.777	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	143490	17.556	ug/l	99
40) Benzene	8.32	78	303441	17.576	ug/l	98
41) Methacrylonitrile	7.48	41	28608	17.552	ug/l	92
42) 1,2-Dichloroethane	8.40	62	90866	18.161	ug/l	99
43) Isopropyl Acetate	8.42	43	103210	18.048	ug/l	99
44) Trichloroethene	9.09	130	86281	18.378	ug/l	99
45) 1,2-Dichloropropane	9.37	63	74358	17.274	ug/l	97
46) Dibromomethane	9.46	93	40129	18.124	ug/l	95
47) Bromodichloromethane	9.64	83	103778	17.721	ug/l	98
48) Methyl methacrylate	9.43	41	48583	17.374	ug/l	98
49) 1,4-Dioxane	9.46	88	13032	348.218	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	251931	89.171	ug/l	98
52) Toluene	10.38	92	196382	17.231	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	108757	17.453	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	124075	17.545	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	56301	18.333	ug/l	99
56) Ethyl methacrylate	10.65	69	75950	17.650	ug/l	95
57) 1,3-Dichloropropane	10.93	76	99010	17.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	210420	100.640	ug/l	96
59) 2-Hexanone	10.97	43	180169	90.332	ug/l	99
60) Dibromochloromethane	11.13	129	71031	17.998	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55582	18.253	ug/l	98
64) Tetrachloroethene	10.86	164	75435	19.209	ug/l	98
65) Chlorobenzene	11.66	112	214166	18.088	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	77961	18.403	ug/l	98
67) Ethyl Benzene	11.73	91	383725	17.631	ug/l	98
68) m/p-Xylenes	11.84	106	301479	35.701	ug/l	97
69) o-Xylene	12.16	106	142423	17.750	ug/l	97
70) Styrene	12.18	104	228273	17.224	ug/l	98
71) Bromoform	12.35	173	45566	19.117	ug/l #	95
73) Isopropylbenzene	12.46	105	391984	17.545	ug/l	99
74) N-amyl acetate	12.27	43	97568	16.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	66111	18.691	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	47055m	18.060	ug/l	
77) Bromobenzene	12.75	156	89606	18.365	ug/l	94
78) n-propylbenzene	12.80	91	462690	17.243	ug/l	98
79) 2-Chlorotoluene	12.90	91	263485	17.401	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	323151	17.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	22478	17.040	ug/l	94
82) 4-Chlorotoluene	12.99	91	272721	16.917	ug/l	97
83) tert-Butylbenzene	13.21	119	283480	17.059	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	327475	17.253	ug/l	99
85) sec-Butylbenzene	13.38	105	414029	17.446	ug/l	99
86) p-Isopropyltoluene	13.50	119	370100	17.804	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	179545	18.221	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	180637	18.446	ug/l	99
89) n-Butylbenzene	13.83	91	349740	17.135	ug/l	99
90) Hexachloroethane	14.10	117	70645	17.378	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	159592	18.304	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11944	17.797	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	121093	19.462	ug/l	99
94) Hexachlorobutadiene	15.24	225	72857	19.430	ug/l	98
95) Naphthalene	15.37	128	214096	19.597	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	104182	19.739	ug/l	99

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

