

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008482.D
 Acq On : 01 Feb 2019 15:30
 Operator : SY/VA
 Sample : K1297-02MS
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:35 PM

Quant Time: Feb 02 02:00:21 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	269853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88612	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	164947	62.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.44%	
35) Dibromofluoromethane	7.88	113	144341	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	
50) Toluene-d8	10.32	98	465301	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.62	95	118522	31.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	84410	53.860	ug/l	98
3) Chloromethane	2.21	50	115857	52.597	ug/l	100
4) Vinyl Chloride	2.36	62	154386	55.058	ug/l	98
5) Bromomethane	2.78	94	115679	63.960	ug/l	96
6) Chloroethane	2.92	64	115671	67.452	ug/l	98
7) Trichlorofluoromethane	3.25	101	128713	52.513	ug/l	99
8) Diethyl Ether	3.68	74	98986	73.554	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	127235	52.131	ug/l	98
10) Methyl Iodide	4.26	142	209289	54.289	ug/l	99
11) Tert butyl alcohol	5.18	59	89263	418.211	ug/l	99
12) 1,1-Dichloroethene	4.03	96	138418	56.039	ug/l	98
13) Acrolein	3.88	56	16806	91.935	ug/l	94
14) Allyl chloride	4.65	41	256402	54.666	ug/l	99
15) Acrylonitrile	5.37	53	227900	392.182	ug/l	99
16) Acetone	4.12	43	242465	407.276	ug/l	98
17) Carbon Disulfide	4.37	76	332497	42.148	ug/l	99
18) Methyl Acetate	4.67	43	469285	295.542	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	329666	80.667	ug/l	98
20) Methylene Chloride	4.90	84	176113	64.183	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	144489	52.032	ug/l	93
22) Diisopropyl ether	6.31	45	534464	60.125	ug/l	98
23) Vinyl Acetate	6.31	43	278678	53.092	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	296319	58.890	ug/l	98
25) 2-Butanone	7.17	43	350443	423.800	ug/l	99
26) 2,2-Dichloropropane	7.16	77	188080	55.299	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	169914	56.144	ug/l	96
28) Bromochloromethane	7.51	49	129752	56.143	ug/l	95
29) Tetrahydrofuran	7.52	42	233147	444.928	ug/l	96
30) Chloroform	7.67	83	293488	59.301	ug/l	97
31) Cyclohexane	7.95	56	173457	33.339	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	240778	56.326	ug/l	98
36) 1,1-Dichloropropene	8.08	75	188048	48.057	ug/l	99
37) Ethyl Acetate	7.25	43	30616	17.685	ug/l #	80
38) Carbon Tetrachloride	8.06	117	207636	52.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	116949	22.751	ug/l	99
40) Benzene	8.32	78	610535	56.229	ug/l	99
41) Methacrylonitrile	7.48	41	81641	79.643	ug/l	99
42) 1,2-Dichloroethane	8.40	62	212499	67.532	ug/l	99
43) Isopropyl Acetate	8.42	43	126793	35.253	ug/l #	86
44) Trichloroethene	9.09	130	147989	50.120	ug/l	98
45) 1,2-Dichloropropane	9.37	63	161282	59.572	ug/l	100
46) Dibromomethane	9.46	93	95268	68.416	ug/l	96
47) Bromodichloromethane	9.64	83	221185	60.053	ug/l	99
48) Methyl methacrylate	9.43	41	189387	107.690	ug/l	98
49) 1,4-Dioxane	9.45	88	38520	1636.558	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	766820	431.558	ug/l	99
52) Toluene	10.38	92	347976	48.548	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	213344	54.436	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241125	54.215	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	132958	68.839	ug/l	99
56) Ethyl methacrylate	10.65	69	48445	17.900	ug/l	96
57) 1,3-Dichloropropane	10.93	76	229838	66.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	463083	352.167	ug/l	96
59) 2-Hexanone	10.97	43	517884	412.857	ug/l	100
60) Dibromochloromethane	11.13	129	150483	60.628	ug/l	99
61) 1,2-Dibromoethane	11.23	107	126774	66.196	ug/l	100
64) Tetrachloroethene	10.86	164	99707	50.699	ug/l	96
65) Chlorobenzene	11.66	112	321906	54.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	144713	68.213	ug/l	99
67) Ethyl Benzene	11.73	91	547813	50.261	ug/l	98
68) m/p-Xylenes	11.84	106	410036	96.960	ug/l	96
69) o-Xylene	12.16	106	205262	51.084	ug/l	99
70) Styrene	12.18	104	309920	46.695	ug/l	98
71) Bromoform	12.35	173	93384	78.236	ug/l #	100
73) Isopropylbenzene	12.46	105	453964	68.718	ug/l	100
74) N-amyl acetate	12.27	43	4178	2.455	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	149573	143.010	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	109999m	142.778	ug/l	
77) Bromobenzene	12.75	156	116544	80.780	ug/l	95
78) n-propylbenzene	12.80	91	439650	55.410	ug/l	98
79) 2-Chlorotoluene	12.89	91	276616	61.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	327436	59.300	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	48757	124.995	ug/l	96
82) 4-Chlorotoluene	12.99	91	270770	56.801	ug/l	97
83) tert-Butylbenzene	13.21	119	270421	55.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	335024	59.694	ug/l	100
85) sec-Butylbenzene	13.38	105	299162	42.632	ug/l	99
86) p-Isopropyltoluene	13.50	119	275253	44.780	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	149090	51.168	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	152065	52.515	ug/l	97
89) n-Butylbenzene	13.82	91	182897	30.304	ug/l	99
90) Hexachloroethane	14.10	117	51204	42.596	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	145481	56.429	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25925	130.639	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	47969	26.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	19627	17.702	ug/l	99
95) Naphthalene	15.37	128	178574	55.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41424	26.543	ug/l	97

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

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