

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008547.D
 Acq On : 07 Feb 2019 12:48
 Operator : SY/VA
 Sample : K1385-02MS
 Misc : 9.82G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MS

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:38 PM

Quant Time: Feb 08 22:49:01 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	514029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	787002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	674109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	281608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	286611	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
35) Dibromofluoromethane	7.88	113	261217	56.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.52%	
50) Toluene-d8	10.32	98	961206	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.62	95	314873	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	133651	45.318	ug/l	92
3) Chloromethane	2.21	50	202681	48.305	ug/l	99
4) Vinyl Chloride	2.37	62	281476	52.698	ug/l	100
5) Bromomethane	2.78	94	227766	66.112	ug/l	93
6) Chloroethane	2.92	64	218564	66.909	ug/l	94
7) Trichlorofluoromethane	3.25	101	249956	53.444	ug/l	96
8) Diethyl Ether	3.67	74	155487	60.655	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	258740	55.653	ug/l	97
10) Methyl Iodide	4.26	142	409542	55.770	ug/l	99
11) Tert butyl alcohol	5.17	59	131097	322.446	ug/l	95
12) 1,1-Dichloroethene	4.03	96	251453	53.443	ug/l	96
13) Acrolein	3.89	56	53165	149.915	ug/l	98
14) Allyl chloride	4.65	41	448994	50.255	ug/l	99
15) Acrylonitrile	5.37	53	361499	326.581	ug/l	99
16) Acetone	4.12	43	420198	370.539	ug/l	94
17) Carbon Disulfide	4.37	76	650589	43.295	ug/l	99
18) Methyl Acetate	4.67	43	452402	149.571	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	495499	63.651	ug/l	98
20) Methylene Chloride	4.90	84	325576	62.290	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	273182	51.645	ug/l	93
22) Diisopropyl ether	6.31	45	899520	53.123	ug/l	99
23) Vinyl Acetate	6.25	43	636190	63.629	ug/l	100
24) 1,1-Dichloroethane	6.21	63	516622	53.901	ug/l	99
25) 2-Butanone	7.17	43	515436	327.234	ug/l	99
26) 2,2-Dichloropropane	7.16	77	343349	52.997	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	316563	54.913	ug/l	98
28) Bromochloromethane	7.51	49	222247	50.485	ug/l	95
29) Tetrahydrofuran	7.52	42	328661	329.266	ug/l	96
30) Chloroform	7.67	83	533231	56.562	ug/l	99
31) Cyclohexane	7.95	56	427583	43.144	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	437777	53.763	ug/l	99
36) 1,1-Dichloropropene	8.07	75	393784	52.970	ug/l	99
37) Ethyl Acetate	7.25	43	164072	49.884	ug/l	99
38) Carbon Tetrachloride	8.06	117	419503	56.077	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	401857	41.149	ug/l	99
40) Benzene	8.32	78	1139849	55.255	ug/l	98
41) Methacrylonitrile	7.48	41	116673	59.909	ug/l	93
42) 1,2-Dichloroethane	8.40	62	365574	61.152	ug/l	98
43) Isopropyl Acetate	8.42	43	378795	55.435	ug/l	97
44) Trichloroethene	9.09	130	346350	61.742	ug/l	99
45) 1,2-Dichloropropane	9.37	63	291839	56.739	ug/l	100
46) Dibromomethane	9.46	93	164744	62.273	ug/l	98
47) Bromodichloromethane	9.64	83	405540	57.956	ug/l	99
48) Methyl methacrylate	9.43	41	227724	68.158	ug/l	97
49) 1,4-Dioxane	9.45	88	56761	1269.333	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1151729	341.175	ug/l	100
52) Toluene	10.38	92	715926	52.574	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	407570	54.738	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	462058	54.683	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	229501	62.543	ug/l	98
56) Ethyl methacrylate	10.65	69	269076	52.332	ug/l	99
57) 1,3-Dichloropropane	10.93	76	400355	60.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	759253	303.918	ug/l	98
59) 2-Hexanone	10.97	43	818761	343.561	ug/l	99
60) Dibromochloromethane	11.13	129	278453	59.050	ug/l	100
61) 1,2-Dibromoethane	11.23	107	220406	60.577	ug/l	99
64) Tetrachloroethene	10.86	164	454556	99.593	ug/l	99
65) Chlorobenzene	11.66	112	758295	55.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	299831	60.899	ug/l	99
67) Ethyl Benzene	11.73	91	1350713	53.399	ug/l	98
68) m/p-Xylenes	11.84	106	1031025	105.053	ug/l	99
69) o-Xylene	12.16	106	502915	53.931	ug/l	98
70) Styrene	12.18	104	786629	51.070	ug/l	98
71) Bromoform	12.35	173	171062	61.753	ug/l	98
73) Isopropylbenzene	12.46	105	1312112	62.498	ug/l	99
74) N-amyl acetate	12.27	43	285885	52.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	233852	70.356	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	188057m	76.809	ug/l	
77) Bromobenzene	12.75	156	302624	66.003	ug/l	95
78) n-propylbenzene	12.80	91	1472118	58.381	ug/l	99
79) 2-Chlorotoluene	12.90	91	858719	60.350	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	1048699	59.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	90073	72.661	ug/l	96
82) 4-Chlorotoluene	12.99	91	846666	55.888	ug/l	97
83) tert-Butylbenzene	13.21	119	913886	58.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1060843	59.478	ug/l	99
85) sec-Butylbenzene	13.38	105	1198914	53.760	ug/l	100
86) p-Isopropyltoluene	13.50	119	1081895	55.384	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	520721	56.235	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	509470	55.363	ug/l	99
89) n-Butylbenzene	13.83	91	847851	44.205	ug/l	99
90) Hexachloroethane	14.10	117	206544	54.066	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	473210	57.756	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	46366	73.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	210284	35.966	ug/l	100
94) Hexachlorobutadiene	15.24	225	94799	26.904	ug/l	99
95) Naphthalene	15.37	128	553278	53.894	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	177379	35.764	ug/l	100

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

