

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011204.D
 Acq On : 10 Jul 2019 22:17
 Operator : SY/VA
 Sample : K3733-03MSD
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MSD

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:26 PM

Quant Time: Jul 11 08:32:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	170090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	281246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	238341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	101669	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	83687	39.16	ug/l	0.00
Spiked Amount						
			Recovery	=	78.32%	
35) Dibromofluoromethane	7.88	113	65708	39.20	ug/l	0.00
Spiked Amount						
			Recovery	=	78.40%	
50) Toluene-d8	10.32	98	255692	37.73	ug/l	0.00
Spiked Amount						
			Recovery	=	75.46%	
62) 4-Bromofluorobenzene	12.62	95	86728	34.92	ug/l	0.00
Spiked Amount						
			Recovery	=	69.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	56388	44.451	ug/l	98
3) Chloromethane	2.21	50	75794	46.369	ug/l	98
4) Vinyl Chloride	2.36	62	104782	48.976	ug/l	97
5) Bromomethane	2.77	94	49920	46.435	ug/l	99
6) Chloroethane	2.92	64	57822	50.177	ug/l	96
7) Trichlorofluoromethane	3.25	101	36287	47.744	ug/l	97
8) Diethyl Ether	3.68	74	55038	52.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	89138	48.963	ug/l	100
10) Methyl Iodide	4.27	142	106448	42.513	ug/l	99
11) Tert butyl alcohol	5.17	59	41018	259.223	ug/l	98
12) 1,1-Dichloroethene	4.03	96	97423	51.559	ug/l	98
13) Acrolein	3.89	56	9919	78.722	ug/l	92
14) Allyl chloride	4.66	41	168619	48.937	ug/l	99
15) Acrylonitrile	5.36	53	138790	259.139	ug/l	100
16) Acetone	4.12	43	153819	299.116	ug/l	99
17) Carbon Disulfide	4.38	76	276689	48.301	ug/l	99
18) Methyl Acetate	4.67	43	129331	89.556	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	160136	55.854	ug/l	99
20) Methylene Chloride	4.92	84	105086	51.801	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	95579	48.680	ug/l	97
22) Diisopropyl ether	6.31	45	385135	51.968	ug/l	96
23) Vinyl Acetate	6.25	43	441265	96.211	ug/l	99
24) 1,1-Dichloroethane	6.21	63	197426	50.732	ug/l	99
25) 2-Butanone	7.17	43	217644	269.618	ug/l	98
26) 2,2-Dichloropropane	7.16	77	90466	44.721	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	105205	49.673	ug/l	99
28) Bromochloromethane	7.51	49	83631	47.263	ug/l #	99
29) Tetrahydrofuran	7.52	42	139555	263.656	ug/l	100
30) Chloroform	7.67	83	179017	49.672	ug/l	98
31) Cyclohexane	7.95	56	185864	44.894	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	134426	49.033	ug/l	98
36) 1,1-Dichloropropene	8.08	75	144828	48.357	ug/l	100
37) Ethyl Acetate	7.25	43	78876	43.833	ug/l	99
38) Carbon Tetrachloride	8.07	117	88802	34.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	149430	41.164	ug/l	98
40) Benzene	8.32	78	411798	49.752	ug/l	99
41) Methacrylonitrile	7.48	41	57781	56.143	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	134224	49.990	ug/l	100
43) Isopropyl Acetate	8.42	43	156716	46.128	ug/l	98
44) Trichloroethene	9.09	130	106921	53.681	ug/l	99
45) 1,2-Dichloropropane	9.37	63	111591	49.786	ug/l	97
46) Dibromomethane	9.46	93	52402	49.770	ug/l	99
47) Bromodichloromethane	9.64	83	119553	44.377	ug/l	98
48) Methyl methacrylate	9.43	41	86423	52.875	ug/l	97
49) 1,4-Dioxane	9.45	88	19133	1088.670	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	474880	267.582	ug/l	99
52) Toluene	10.38	92	246540	49.102	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	123924	43.215	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	144451	42.796	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	76452	51.183	ug/l	98
56) Ethyl methacrylate	10.65	69	109661	48.221	ug/l	99
57) 1,3-Dichloropropane	10.93	76	140244	49.651	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	266340	252.627	ug/l	100
59) 2-Hexanone	10.97	43	326221	265.056	ug/l	100
60) Dibromochloromethane	11.13	129	69597	42.491	ug/l	99
61) 1,2-Dibromoethane	11.23	107	69811	49.341	ug/l	100
64) Tetrachloroethene	10.86	164	97907	60.877	ug/l	97
65) Chlorobenzene	11.66	112	236596	48.825	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	74901	43.900	ug/l	100
67) Ethyl Benzene	11.73	91	453697	48.908	ug/l	100
68) m/p-Xylenes	11.84	106	325954	97.108	ug/l	100
69) o-Xylene	12.16	106	153543	48.533	ug/l	100
70) Styrene	12.18	104	240651	44.076	ug/l	99
71) Bromoform	12.35	173	37427	41.258	ug/l #	99
73) Isopropylbenzene	12.46	105	406863	53.534	ug/l	100
74) N-amyl acetate	12.27	43	82143	31.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	92297	59.244	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	63824m	54.322	ug/l	
77) Bromobenzene	12.74	156	90983	53.343	ug/l	99
78) n-propylbenzene	12.80	91	476471	50.893	ug/l	100
79) 2-Chlorotoluene	12.89	91	274607	50.971	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	328060	50.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20722	39.892	ug/l	97
82) 4-Chlorotoluene	12.99	91	287591	51.251	ug/l	99
83) tert-Butylbenzene	13.21	119	267351	49.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	331344	51.107	ug/l	99
85) sec-Butylbenzene	13.38	105	362082	46.600	ug/l	100
86) p-Isopropyltoluene	13.50	119	324647	46.584	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	159106	48.485	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	159222	48.184	ug/l	99
89) n-Butylbenzene	13.82	91	290816	41.831	ug/l	99
90) Hexachloroethane	14.10	117	36226	28.446	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	145127	48.748	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15755	57.013	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	79776	38.905	ug/l	98
94) Hexachlorobutadiene	15.24	225	31670	25.157	ug/l	99
95) Naphthalene	15.37	128	196158	49.920	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	68836	38.037	ug/l	98

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

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