

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011203.D
 Acq On : 10 Jul 2019 21:50
 Operator : SY/VA
 Sample : K3733-02MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY030LC068-SD-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:21 PM

Quant Time: Jul 11 08:31:28 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	155074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	262113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	219691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83247	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	106987	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	82092	52.55	ug/l	0.00
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	10.32	98	315528	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	99712	43.08	ug/l	0.00
Spiked Amount			Recovery	=	86.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	51409	44.450	ug/l	99
3) Chloromethane	2.21	50	72946	48.948	ug/l	96
4) Vinyl Chloride	2.35	62	98211	50.350	ug/l	97
5) Bromomethane	2.76	94	47422	48.383	ug/l	92
6) Chloroethane	2.91	64	53425	50.851	ug/l	98
7) Trichlorofluoromethane	3.25	101	29877	43.116	ug/l	98
8) Diethyl Ether	3.67	74	51506	53.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	81422	49.055	ug/l	99
10) Methyl Iodide	4.27	142	98774	43.268	ug/l	99
11) Tert butyl alcohol	5.17	59	40179	278.508	ug/l	98
12) 1,1-Dichloroethene	4.03	96	88302	51.257	ug/l	99
13) Acrolein	3.89	56	3524	30.676	ug/l	95
14) Allyl chloride	4.66	41	146953	46.779	ug/l	98
15) Acrylonitrile	5.36	53	135400	277.289	ug/l	99
16) Acetone	4.12	43	153282	326.934	ug/l	99
17) Carbon Disulfide	4.38	76	254989	48.823	ug/l	100
18) Methyl Acetate	4.66	43	136200	103.670	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	146505	56.048	ug/l	99
20) Methylene Chloride	4.91	84	97585	52.761	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	90852	50.754	ug/l	98
22) Diisopropyl ether	6.31	45	355292	52.584	ug/l	96
23) Vinyl Acetate	6.25	43	400113	95.686	ug/l	99
24) 1,1-Dichloroethane	6.21	63	184748	52.071	ug/l	99
25) 2-Butanone	7.17	43	223449	303.614	ug/l	100
26) 2,2-Dichloropropane	7.16	77	83331	45.183	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	99133	51.338	ug/l	99
28) Bromochloromethane	7.51	49	78961	48.944	ug/l	98
29) Tetrahydrofuran	7.52	42	140465	291.072	ug/l	100
30) Chloroform	7.67	83	170562	51.908	ug/l	99
31) Cyclohexane	7.95	56	165203	43.767	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	125645	50.268	ug/l	98
36) 1,1-Dichloropropene	8.08	75	134917	48.336	ug/l	99
37) Ethyl Acetate	7.24	43	83417	49.740	ug/l	100
38) Carbon Tetrachloride	8.07	117	67219	28.408	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	120082	35.494	ug/l	100
40) Benzene	8.32	78	382431	49.576	ug/l	98
41) Methacrylonitrile	7.48	41	51150	53.327	ug/l	96
42) 1,2-Dichloroethane	8.40	62	130750	52.251	ug/l	100
43) Isopropyl Acetate	8.42	43	160954	50.834	ug/l	99
44) Trichloroethene	9.09	130	98718	53.180	ug/l	100
45) 1,2-Dichloropropane	9.37	63	106028	50.758	ug/l	98
46) Dibromomethane	9.46	93	51006	51.980	ug/l	99
47) Bromodichloromethane	9.64	83	120259	47.898	ug/l	99
48) Methyl methacrylate	9.43	41	89428	58.707	ug/l	97
49) 1,4-Dioxane	9.45	88	18787	1147.013	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	470655	284.560	ug/l	99
52) Toluene	10.38	92	226279	48.357	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	118506	44.342	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	135807	43.172	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72842	52.326	ug/l	98
56) Ethyl methacrylate	10.65	69	107602	50.770	ug/l	99
57) 1,3-Dichloropropane	10.93	76	136505	51.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	275655	280.548	ug/l	99
59) 2-Hexanone	10.97	43	325286	283.589	ug/l	99
60) Dibromochloromethane	11.13	129	72899	47.755	ug/l	98
61) 1,2-Dibromoethane	11.23	107	69000	52.327	ug/l	98
64) Tetrachloroethene	10.86	164	92521	62.412	ug/l	97
65) Chlorobenzene	11.66	112	215938	48.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	75283	47.869	ug/l	99
67) Ethyl Benzene	11.73	91	411359	48.109	ug/l	99
68) m/p-Xylenes	11.84	106	293389	94.826	ug/l	100
69) o-Xylene	12.16	106	139599	47.872	ug/l	98
70) Styrene	12.18	104	222682	44.247	ug/l	99
71) Bromoform	12.35	173	39542	47.290	ug/l #	99
73) Isopropylbenzene	12.46	105	352466	56.639	ug/l	100
74) N-amyl acetate	12.27	43	67493	31.141	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	89392	70.077	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	60720m	63.117	ug/l	
77) Bromobenzene	12.74	156	82126	58.806	ug/l	100
78) n-propylbenzene	12.80	91	399104	52.062	ug/l	100
79) 2-Chlorotoluene	12.89	91	239393	54.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	273407	51.715	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	20523	48.251	ug/l	96
82) 4-Chlorotoluene	12.99	91	243187	52.928	ug/l	100
83) tert-Butylbenzene	13.21	119	218116	49.469	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	280341	52.809	ug/l	98
85) sec-Butylbenzene	13.38	105	273712	43.022	ug/l	100
86) p-Isopropyltoluene	13.50	119	248723	43.587	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	128462	47.809	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	130487	48.226	ug/l	99
89) n-Butylbenzene	13.82	91	200291	35.185	ug/l	100
90) Hexachloroethane	14.10	117	12081	11.586	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	120812	49.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14727	65.087	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	49733	29.621	ug/l	96
94) Hexachlorobutadiene	15.24	225	15842	15.369	ug/l	99
95) Naphthalene	15.37	128	154243	47.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	43766	29.536	ug/l	99

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

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