

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011229.D
 Acq On : 11 Jul 2019 15:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 2:06:04 PM

Quant Time: Jul 12 09:42:09 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	196206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320736	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	288293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143718	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	127110	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
35) Dibromofluoromethane	7.88	113	102667	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
50) Toluene-d8	10.32	98	422100	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.62	95	153628	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	75893	51.864	ug/l	100
3) Chloromethane	2.21	50	103127	54.693	ug/l	98
4) Vinyl Chloride	2.36	62	134855	54.643	ug/l	97
5) Bromomethane	2.75	94	62483	50.385	ug/l	98
6) Chloroethane	2.90	64	71868	54.065	ug/l	98
7) Trichlorofluoromethane	3.23	101	47789	54.508	ug/l	99
8) Diethyl Ether	3.67	74	65808	54.248	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	115880	55.180	ug/l	98
10) Methyl Iodide	4.26	142	158990	55.045	ug/l	99
11) Tert butyl alcohol	5.17	59	42413	232.361	ug/l	99
12) 1,1-Dichloroethene	4.03	96	120556	55.310	ug/l	96
13) Acrolein	3.89	56	53033	364.870	ug/l	99
14) Allyl chloride	4.65	41	230006	57.868	ug/l	99
15) Acrylonitrile	5.35	53	158814	257.057	ug/l	99
16) Acetone	4.11	43	153271	258.378	ug/l	98
17) Carbon Disulfide	4.37	76	342477	51.828	ug/l	99
18) Methyl Acetate	4.66	43	78729	46.573	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	176645	53.412	ug/l	100
20) Methylene Chloride	4.90	84	130700	55.851	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	125164	55.264	ug/l	97
22) Diisopropyl ether	6.31	45	485618	56.805	ug/l	97
23) Vinyl Acetate	6.24	43	1488648	281.375	ug/l	100
24) 1,1-Dichloroethane	6.21	63	251798	56.091	ug/l	99
25) 2-Butanone	7.17	43	234468	251.798	ug/l	99
26) 2,2-Dichloropropane	7.15	77	117943	50.544	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	136913	56.040	ug/l	99
28) Bromochloromethane	7.51	49	109440	53.616	ug/l	100
29) Tetrahydrofuran	7.52	42	151937	248.841	ug/l	99
30) Chloroform	7.67	83	230575	55.462	ug/l	99
31) Cyclohexane	7.95	56	252101	52.788	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	171676	54.285	ug/l	100
36) 1,1-Dichloropropene	8.07	75	191386	56.034	ug/l	100
37) Ethyl Acetate	7.24	43	101877	49.644	ug/l	99
38) Carbon Tetrachloride	8.06	117	160035	55.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	236170	57.049	ug/l	99
40) Benzene	8.32	78	534281	56.602	ug/l	100
41) Methacrylonitrile	7.48	41	60124	51.226	ug/l	98
42) 1,2-Dichloroethane	8.40	62	167250	54.621	ug/l	99
43) Isopropyl Acetate	8.42	43	198515	51.237	ug/l	99
44) Trichloroethene	9.09	130	127604	56.177	ug/l	98
45) 1,2-Dichloropropane	9.37	63	144617	56.577	ug/l	100
46) Dibromomethane	9.45	93	64780	53.950	ug/l	99
47) Bromodichloromethane	9.64	83	170296	55.430	ug/l	98
48) Methyl methacrylate	9.43	41	96173	51.596	ug/l	98
49) 1,4-Dioxane	9.44	88	22668	1131.006	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	514453	254.189	ug/l	100
52) Toluene	10.38	92	328816	57.426	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	175894	53.786	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	212017	55.080	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	92938	54.559	ug/l	97
56) Ethyl methacrylate	10.65	69	138064	53.236	ug/l	98
57) 1,3-Dichloropropane	10.93	76	175178	54.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	330391	274.796	ug/l	99
59) 2-Hexanone	10.97	43	354723	252.728	ug/l	100
60) Dibromochloromethane	11.13	129	102491	54.869	ug/l	99
61) 1,2-Dibromoethane	11.23	107	86270	53.466	ug/l	100
64) Tetrachloroethene	10.86	164	105534	54.250	ug/l	96
65) Chlorobenzene	11.66	112	330726	56.425	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114940	55.694	ug/l	99
67) Ethyl Benzene	11.73	91	641967	57.213	ug/l	100
68) m/p-Xylenes	11.84	106	465607	114.678	ug/l	99
69) o-Xylene	12.16	106	217930	56.950	ug/l	99
70) Styrene	12.18	104	378734	57.347	ug/l	100
71) Bromoform	12.35	173	54976	50.102	ug/l #	99
73) Isopropylbenzene	12.46	105	603351	56.160	ug/l	100
74) N-amyl acetate	12.27	43	193062	51.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109915	49.910	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	77620m	46.735	ug/l	
77) Bromobenzene	12.75	156	130661	54.193	ug/l	99
78) n-propylbenzene	12.80	91	745780	56.352	ug/l	100
79) 2-Chlorotoluene	12.89	91	422317	55.453	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	513999	56.315	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33706	45.902	ug/l	98
82) 4-Chlorotoluene	12.99	91	439716	55.434	ug/l	100
83) tert-Butylbenzene	13.21	119	430316	56.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	514993	56.193	ug/l	100
85) sec-Butylbenzene	13.38	105	619369	56.390	ug/l	99
86) p-Isopropyltoluene	13.50	119	561018	56.948	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	260247	56.102	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	254949	54.579	ug/l	98
89) n-Butylbenzene	13.82	91	571210	58.123	ug/l	99
90) Hexachloroethane	14.10	117	97884	54.374	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	229691	54.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18214	46.627	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	168550	58.148	ug/l	99
94) Hexachlorobutadiene	15.24	225	103517	58.170	ug/l	100
95) Naphthalene	15.37	128	306000	55.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	145796	56.992	ug/l	100

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

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