

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014572.D
 Acq On : 09 Jan 2020 09:55
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:42 AM

Quant Time: Jan 09 12:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	659613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	986029	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	834480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	409421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	269249	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
35) Dibromofluoromethane	7.88	113	276317	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.32	98	1162274	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.62	95	389027	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	168078	45.130	ug/l	97
3) Chloromethane	2.21	50	218768	47.990	ug/l	96
4) Vinyl Chloride	2.36	62	348623	51.994	ug/l	96
5) Bromomethane	2.77	94	223998	54.080	ug/l	98
6) Chloroethane	2.92	64	206306	53.977	ug/l	99
7) Trichlorofluoromethane	3.25	101	181037	53.965	ug/l	96
8) Diethyl Ether	3.67	74	167772	50.263	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	326884	52.150	ug/l	98
10) Methyl Iodide	4.26	142	500662	52.938	ug/l	100
11) Tert butyl alcohol	5.15	59	100027	222.420	ug/l	98
12) 1,1-Dichloroethene	4.04	96	348666	53.117	ug/l	94
13) Acrolein	3.89	56	141791	281.691	ug/l	98
14) Allyl chloride	4.66	41	539908	53.824	ug/l	99
15) Acrylonitrile	5.35	53	359078	235.349	ug/l	99
16) Acetone	4.11	43	401544	246.583	ug/l	98
17) Carbon Disulfide	4.38	76	1011885	51.146	ug/l	99
18) Methyl Acetate	4.66	43	177290	45.079	ug/l	99
19) Methyl tert-butyl Ether	5.41	73	432238	53.047	ug/l	98
20) Methylene Chloride	4.91	84	345029	52.621	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	366324	52.558	ug/l	99
22) Diisopropyl ether	6.30	45	983347	52.374	ug/l	98
23) Vinyl Acetate	6.24	43	2822073	248.910	ug/l	99
24) 1,1-Dichloroethane	6.21	63	618948	52.261	ug/l	99
25) 2-Butanone	7.16	43	488047	233.536	ug/l	97
26) 2,2-Dichloropropane	7.16	77	345145	52.637	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	387366	52.892	ug/l	100
28) Bromochloromethane	7.50	49	235895	50.805	ug/l	97
29) Tetrahydrofuran	7.52	42	283714	219.143	ug/l	98
30) Chloroform	7.67	83	577294	52.125	ug/l	100
31) Cyclohexane	7.95	56	605893	49.227	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	472057	52.997	ug/l	99
36) 1,1-Dichloropropene	8.07	75	496507	52.232	ug/l	99
37) Ethyl Acetate	7.24	43	198956	46.149	ug/l	97
38) Carbon Tetrachloride	8.06	117	432671	52.465	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	631647	51.779	ug/l	98
40) Benzene	8.32	78	1410024	52.427	ug/l	100
41) Methacrylonitrile	7.48	41	115197	47.935	ug/l	98
42) 1,2-Dichloroethane	8.40	62	348276	49.900	ug/l	100
43) Isopropyl Acetate	8.42	43	361832	46.219	ug/l	98
44) Trichloroethene	9.09	130	382967	52.622	ug/l	96
45) 1,2-Dichloropropane	9.37	63	346100	52.441	ug/l	97
46) Dibromomethane	9.46	93	159894	49.075	ug/l	99
47) Bromodichloromethane	9.64	83	416755	51.810	ug/l	97
48) Methyl methacrylate	9.43	41	177008	46.310	ug/l	98
49) 1,4-Dioxane	9.44	88	55268	906.950	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	924271	227.350	ug/l	98
52) Toluene	10.38	92	889798	52.588	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	423621	50.864	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	535289	52.588	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	235982	49.593	ug/l	98
56) Ethyl methacrylate	10.64	69	310747	50.250	ug/l	98
57) 1,3-Dichloropropane	10.93	76	414289	49.538	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	491534	261.347	ug/l	99
59) 2-Hexanone	10.96	43	671632	239.746	ug/l	100
60) Dibromochloromethane	11.13	129	271887	50.641	ug/l	98
61) 1,2-Dibromoethane	11.23	107	223042	49.380	ug/l	100
64) Tetrachloroethene	10.86	164	314096	51.991	ug/l	97
65) Chlorobenzene	11.65	112	909774	53.216	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	309439	53.758	ug/l	99
67) Ethyl Benzene	11.73	91	1662481	53.960	ug/l	98
68) m/p-Xylenes	11.83	106	1281693	108.696	ug/l	98
69) o-Xylene	12.16	106	589036	54.080	ug/l	100
70) Styrene	12.18	104	1011801	54.921	ug/l	99
71) Bromoform	12.35	173	158106	50.357	ug/l #	99
73) Isopropylbenzene	12.46	105	1623996	54.059	ug/l	100
74) N-amyl acetate	12.27	43	325313	48.296	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	260371	48.018	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	155349m	40.131	ug/l	
77) Bromobenzene	12.74	156	369630	52.976	ug/l	97
78) n-propylbenzene	12.80	91	1918778	54.317	ug/l	100
79) 2-Chlorotoluene	12.89	91	1073501	53.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1354548	53.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	87359	50.281	ug/l	100
82) 4-Chlorotoluene	12.99	91	1119396	53.596	ug/l	100
83) tert-Butylbenzene	13.20	119	1205062	54.567	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1350377	53.797	ug/l	99
85) sec-Butylbenzene	13.38	105	1653090	54.079	ug/l	99
86) p-Isopropyltoluene	13.49	119	1521218	54.597	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	718862	52.982	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	698089	52.116	ug/l	99
89) n-Butylbenzene	13.82	91	1426162	55.119	ug/l	100
90) Hexachloroethane	14.09	117	259334	53.279	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	626838	52.564	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	40413	47.065	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	435686	54.102	ug/l	98
94) Hexachlorobutadiene	15.23	225	283868	52.600	ug/l	98
95) Naphthalene	15.36	128	706805	51.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	367359	52.334	ug/l	100

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

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