

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081719\
 Data File : VW011975.D
 Acq On : 16 Aug 2019 19:34
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:55:25 AM

Quant Time: Aug 17 05:44:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	218129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	322616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129165	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	7.88	113	106916	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
50) Toluene-d8	10.32	98	435275	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	158704	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	58714	48.298	ug/l	90
3) Chloromethane	2.21	50	101269	48.041	ug/l	98
4) Vinyl Chloride	2.36	62	126369	49.794	ug/l	98
5) Bromomethane	2.74	94	64828	46.149	ug/l	96
6) Chloroethane	2.91	64	76502	52.772	ug/l	98
7) Trichlorofluoromethane	3.24	101	60468	53.313	ug/l	92
8) Diethyl Ether	3.68	74	67406	52.416	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	113134	52.582	ug/l	99
10) Methyl Iodide	4.26	142	165368	54.388	ug/l	99
11) Tert butyl alcohol	5.17	59	46901	254.012	ug/l	100
12) 1,1-Dichloroethene	4.04	96	117004	51.505	ug/l	99
13) Acrolein	3.88	56	35018	194.846	ug/l	99
14) Allyl chloride	4.66	41	255431	52.865	ug/l	99
15) Acrylonitrile	5.36	53	173268	269.910	ug/l	98
16) Acetone	4.12	43	153689	192.895	ug/l	100
17) Carbon Disulfide	4.38	76	340156	47.841	ug/l	100
18) Methyl Acetate	4.67	43	95393	53.296	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	199529	55.349	ug/l	100
20) Methylene Chloride	4.92	84	135138	49.180	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	129179	52.744	ug/l	98
22) Diisopropyl ether	6.31	45	503456	55.267	ug/l	98
23) Vinyl Acetate	6.25	43	1515599	264.777	ug/l	99
24) 1,1-Dichloroethane	6.21	63	265093	54.336	ug/l	99
25) 2-Butanone	7.17	43	240790	230.958	ug/l	97
26) 2,2-Dichloropropane	7.16	77	133308	44.430	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	144678	53.673	ug/l	97
28) Bromochloromethane	7.51	49	112619	52.006	ug/l #	98
29) Tetrahydrofuran	7.53	42	157690	264.607	ug/l	100
30) Chloroform	7.68	83	240150	53.354	ug/l	99
31) Cyclohexane	7.95	56	229788	49.066	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	187644	54.741	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196154	52.069	ug/l	99
37) Ethyl Acetate	7.25	43	108792	50.196	ug/l	98
38) Carbon Tetrachloride	8.07	117	164586	51.035	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	218581	52.694	ug/l	98
40) Benzene	8.32	78	554302	52.530	ug/l	100
41) Methacrylonitrile	7.48	41	66856	51.603	ug/l	98
42) 1,2-Dichloroethane	8.40	62	169546	51.320	ug/l	99
43) Isopropyl Acetate	8.42	43	207705	52.109	ug/l	100
44) Trichloroethene	9.09	130	133913	52.801	ug/l	99
45) 1,2-Dichloropropane	9.37	63	150362	53.256	ug/l	100
46) Dibromomethane	9.46	93	66828	51.859	ug/l	99
47) Bromodichloromethane	9.65	83	179376	53.065	ug/l	100
48) Methyl methacrylate	9.43	41	102489	53.528	ug/l	97
49) 1,4-Dioxane	9.44	88	22650	1213.907	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	540691	260.790	ug/l	100
52) Toluene	10.39	92	340292	53.401	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184924	52.370	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	222312	52.951	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97019	53.062	ug/l	99
56) Ethyl methacrylate	10.65	69	146498	54.755	ug/l	99
57) 1,3-Dichloropropane	10.93	76	183571	53.068	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	347285	285.879	ug/l	100
59) 2-Hexanone	10.97	43	371327	253.661	ug/l	100
60) Dibromochloromethane	11.13	129	108955	53.684	ug/l	98
61) 1,2-Dibromoethane	11.24	107	90498	52.303	ug/l	100
64) Tetrachloroethene	10.86	164	112665	53.635	ug/l	98
65) Chlorobenzene	11.66	112	343450	52.952	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	120305	53.250	ug/l	99
67) Ethyl Benzene	11.73	91	663645	53.723	ug/l	99
68) m/p-Xylenes	11.84	106	475090	105.753	ug/l	100
69) o-Xylene	12.16	106	226061	54.151	ug/l	99
70) Styrene	12.18	104	392938	54.439	ug/l	99
71) Bromoform	12.35	173	59961	52.053	ug/l #	98
73) Isopropylbenzene	12.46	105	623645	54.488	ug/l	100
74) N-amyl acetate	12.27	43	198735	55.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	112263	52.145	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	79508m	48.977	ug/l	
77) Bromobenzene	12.75	156	137156	54.216	ug/l	99
78) n-propylbenzene	12.80	91	749239	53.789	ug/l	100
79) 2-Chlorotoluene	12.89	91	428648	53.416	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	526400	54.866	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36624	51.994	ug/l	97
82) 4-Chlorotoluene	12.99	91	441908	52.486	ug/l	99
83) tert-Butylbenzene	13.21	119	449367	56.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	528992	54.734	ug/l	99
85) sec-Butylbenzene	13.38	105	638811	55.801	ug/l	100
86) p-Isopropyltoluene	13.50	119	570522	54.927	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	263574	53.135	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	257394	52.163	ug/l	99
89) n-Butylbenzene	13.82	91	565881	54.592	ug/l	100
90) Hexachloroethane	14.10	117	99620	54.238	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	235509	53.680	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18954	51.628	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	166559	53.868	ug/l	99
94) Hexachlorobutadiene	15.24	225	106561	55.263	ug/l	99
95) Naphthalene	15.36	128	315015	51.927	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	146843	54.179	ug/l	99

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

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