

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042020\
 Data File : VW015219.D
 Acq On : 20 Apr 2020 13:19
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 10:01:20 AM

Quant Time: Apr 20 13:55:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 20 13:45:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	329065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	94547	42.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.94%	
35) Dibromofluoromethane	7.88	113	92860	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.32	98	392752	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	151198	58.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	89903	60.670	ug/l	96
3) Chloromethane	2.21	50	97394	47.425	ug/l	99
4) Vinyl Chloride	2.36	62	115632	47.815	ug/l	98
5) Bromomethane	2.77	94	80742	63.421	ug/l	91
6) Chloroethane	2.92	64	69149	57.967	ug/l	99
7) Trichlorofluoromethane	3.26	101	156036	100.693	ug/l	98
8) Diethyl Ether	3.69	74	43973	36.809	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	94540	40.146	ug/l	93
10) Methyl Iodide	4.28	142	114002	32.418	ug/l	99
11) Tert butyl alcohol	5.17	59	31780	194.543	ug/l	99
12) 1,1-Dichloroethene	4.04	96	91210	37.607	ug/l	97
13) Acrolein	3.90	56	17910	105.458	ug/l	100
14) Allyl chloride	4.68	41	123848	34.519	ug/l	88
15) Acrylonitrile	5.37	53	83153	165.851	ug/l	99
16) Acetone	4.13	43	78758	200.943	ug/l	96
17) Carbon Disulfide	4.39	76	283899	38.459	ug/l	98
18) Methyl Acetate	4.68	43	38876	32.436	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	214142	67.418	ug/l	97
20) Methylene Chloride	4.92	84	100331	36.964	ug/l	92
21) trans-1,2-Dichloroethene	5.43	96	105675	41.296	ug/l	96
22) Diisopropyl ether	6.32	45	239602	33.113	ug/l	95
23) Vinyl Acetate	6.26	43	700401	166.673	ug/l	97
24) 1,1-Dichloroethane	6.22	63	165172	38.394	ug/l	98
25) 2-Butanone	7.17	43	102315	163.128	ug/l	95
26) 2,2-Dichloropropane	7.17	77	167605	58.539	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	113651	41.198	ug/l	99
28) Bromochloromethane	7.51	49	62716	34.881	ug/l #	77
29) Tetrahydrofuran	7.53	42	64067	155.830	ug/l	90
30) Chloroform	7.68	83	178381	42.329	ug/l	100
31) Cyclohexane	7.96	56	157284	34.203	ug/l	90
32) 1,1,1-Trichloroethane	7.87	97	169183	47.657	ug/l	99
36) 1,1-Dichloropropene	8.09	75	143500	48.814	ug/l	98
37) Ethyl Acetate	7.26	43	45575	37.250	ug/l #	96
38) Carbon Tetrachloride	8.07	117	154393	57.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	188453	47.705	ug/l	98
40) Benzene	8.32	78	385871	46.226	ug/l	96
41) Methacrylonitrile	7.48	41	25022	34.564	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	111119	52.450	ug/l	99
43) Isopropyl Acetate	8.43	43	96004	40.153	ug/l	96
44) Trichloroethene	9.09	130	117265	53.464	ug/l	96
45) 1,2-Dichloropropane	9.37	63	88588	43.135	ug/l	99
46) Dibromomethane	9.46	93	50195	48.904	ug/l #	89
47) Bromodichloromethane	9.65	83	135998	51.104	ug/l	99
48) Methyl methacrylate	9.43	41	47459	42.437	ug/l	92
49) 1,4-Dioxane	9.45	88	14388	883.579	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	225180	178.067	ug/l	97
52) Toluene	10.38	92	270422	50.612	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	136648	50.470	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	158027	48.380	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	70666	48.590	ug/l	99
56) Ethyl methacrylate	10.65	69	92434	46.123	ug/l	93
57) 1,3-Dichloropropane	10.93	76	118884	46.509	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	225155	227.002	ug/l	91
59) 2-Hexanone	10.97	43	162521	204.775	ug/l	98
60) Dibromochloromethane	11.13	129	94660	54.551	ug/l	99
61) 1,2-Dibromoethane	11.23	107	70112	50.023	ug/l	100
64) Tetrachloroethene	10.86	164	104376	57.364	ug/l	95
65) Chlorobenzene	11.65	112	292674	50.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	104769	52.006	ug/l	97
67) Ethyl Benzene	11.73	91	545415	49.568	ug/l	100
68) m/p-Xylenes	11.84	106	435699	104.341	ug/l	98
69) o-Xylene	12.16	106	202679	51.785	ug/l	99
70) Styrene	12.18	104	347018	52.484	ug/l	100
71) Bromoform	12.35	173	58881	58.853	ug/l #	97
73) Isopropylbenzene	12.46	105	560448	43.422	ug/l	100
74) N-amyl acetate	12.27	43	98509	32.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	76932	35.574	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	61161m	41.281	ug/l	
77) Bromobenzene	12.74	156	132918	49.707	ug/l	84
78) n-propylbenzene	12.80	91	662149	42.539	ug/l	97
79) 2-Chlorotoluene	12.89	91	375346	43.620	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	491914	45.262	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29063	37.953	ug/l	96
82) 4-Chlorotoluene	12.99	91	399781	43.975	ug/l	98
83) tert-Butylbenzene	13.21	119	424971	45.097	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487462	45.127	ug/l	100
85) sec-Butylbenzene	13.38	105	593292	44.299	ug/l	98
86) p-Isopropyltoluene	13.50	119	562037	47.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	262736	49.318	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	257599	48.740	ug/l	97
89) n-Butylbenzene	13.82	91	511348	43.283	ug/l	98
90) Hexachloroethane	14.09	117	100049	43.545	ug/l	75
91) 1,2-Dichlorobenzene	13.87	146	227764	48.087	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14496	41.399	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	160035	51.206	ug/l	98
94) Hexachlorobutadiene	15.24	225	102529	56.863	ug/l	98
95) Naphthalene	15.36	128	260531	43.333	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130898	48.804	ug/l	97

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

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