

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015274.D
 Acq On : 21 Apr 2020 20:08
 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
 4/22/2020 11:42:04 AM

Quant Time: Apr 22 07:38:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	211516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	304125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	92505	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.88	113	94594	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
50) Toluene-d8	10.32	98	381213	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
62) 4-Bromofluorobenzene	12.62	95	148023	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	77092	46.154	ug/l	97
3) Chloromethane	2.22	50	86878	47.763	ug/l	100
4) Vinyl Chloride	2.36	62	101437	47.225	ug/l	98
5) Bromomethane	2.76	94	80905	52.975	ug/l	90
6) Chloroethane	2.92	64	62123	46.627	ug/l	96
7) Trichlorofluoromethane	3.26	101	141269	46.479	ug/l	99
8) Diethyl Ether	3.69	74	42805	50.174	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87293	46.572	ug/l	91
10) Methyl Iodide	4.28	142	96417	48.975	ug/l	98
11) Tert butyl alcohol	5.17	59	34340	243.553	ug/l	98
12) 1,1-Dichloroethene	4.04	96	85528	47.407	ug/l	93
13) Acrolein	3.90	56	19463	263.737	ug/l	97
14) Allyl chloride	4.68	41	110111	46.007	ug/l #	85
15) Acrylonitrile	5.37	53	80425	247.716	ug/l	98
16) Acetone	4.12	43	62298	206.212	ug/l	97
17) Carbon Disulfide	4.39	76	249276	46.495	ug/l	99
18) Methyl Acetate	4.68	43	37700	47.144	ug/l	93
19) Methyl tert-butyl Ether	5.43	73	205905	49.717	ug/l	96
20) Methylene Chloride	4.92	84	95104	48.033	ug/l	89
21) trans-1,2-Dichloroethene	5.43	96	100723	49.227	ug/l	90
22) Diisopropyl ether	6.32	45	223614	48.702	ug/l #	93
23) Vinyl Acetate	6.26	43	656420	243.627	ug/l	95
24) 1,1-Dichloroethane	6.22	63	156855	49.293	ug/l	98
25) 2-Butanone	7.17	43	95306	237.780	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	146305	43.703	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	110875	50.193	ug/l	97
28) Bromochloromethane	7.51	49	58432	50.506	ug/l #	72
29) Tetrahydrofuran	7.53	42	62413	249.937	ug/l	87
30) Chloroform	7.68	83	171747	50.008	ug/l	99
31) Cyclohexane	7.96	56	132872	41.540	ug/l	88
32) 1,1,1-Trichloroethane	7.87	97	156400	47.185	ug/l	99
36) 1,1-Dichloropropene	8.09	75	128563	46.837	ug/l	99
37) Ethyl Acetate	7.25	43	43934	49.318	ug/l #	96
38) Carbon Tetrachloride	8.07	117	139883	46.633	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	167100	45.738	ug/l	96
40) Benzene	8.32	78	362313	49.413	ug/l	97
41) Methacrylonitrile	7.48	41	25926	48.504	ug/l	88
42) 1,2-Dichloroethane	8.40	62	108341	50.191	ug/l	100
43) Isopropyl Acetate	8.42	43	93205	49.885	ug/l	95
44) Trichloroethene	9.09	130	112478	50.150	ug/l	91
45) 1,2-Dichloropropane	9.37	63	84250	49.409	ug/l	99
46) Dibromomethane	9.46	93	50594	51.294	ug/l #	86
47) Bromodichloromethane	9.65	83	130487	49.487	ug/l	98
48) Methyl methacrylate	9.43	41	42185	47.761	ug/l #	80
49) 1,4-Dioxane	9.45	88	14648	1113.970	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	230440	262.737	ug/l	96
52) Toluene	10.39	92	261639	50.985	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	126984	48.841	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	148064	48.995	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	70561	51.088	ug/l	98
56) Ethyl methacrylate	10.65	69	90413	50.814	ug/l	91
57) 1,3-Dichloropropane	10.93	76	115973	50.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	204399	247.783	ug/l	89
59) 2-Hexanone	10.97	43	154896	247.403	ug/l	96
60) Dibromochloromethane	11.13	129	94685	51.921	ug/l	99
61) 1,2-Dibromoethane	11.23	107	68976	51.180	ug/l	97
64) Tetrachloroethene	10.86	164	104868	50.536	ug/l	92
65) Chlorobenzene	11.66	112	287839	50.451	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	105677	51.535	ug/l	97
67) Ethyl Benzene	11.73	91	519991	48.872	ug/l	98
68) m/p-Xylenes	11.84	106	421251	101.007	ug/l	98
69) o-Xylene	12.16	106	197666	50.778	ug/l	98
70) Styrene	12.18	104	341048	51.397	ug/l	99
71) Bromoform	12.35	173	61277	53.035	ug/l #	98
73) Isopropylbenzene	12.46	105	545777	47.865	ug/l	100
74) N-amyl acetate	12.27	43	95254	48.018	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	77786	48.048	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	61485m	48.328	ug/l	
77) Bromobenzene	12.74	156	132084	50.420	ug/l	82
78) n-propylbenzene	12.80	91	624983	47.076	ug/l	96
79) 2-Chlorotoluene	12.89	91	361776	48.354	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	476446	48.507	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	26440	45.430	ug/l	92
82) 4-Chlorotoluene	12.99	91	382006	48.089	ug/l	97
83) tert-Butylbenzene	13.21	119	415164	48.360	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	471517	48.671	ug/l	98
85) sec-Butylbenzene	13.38	105	569606	48.044	ug/l	97
86) p-Isopropyltoluene	13.50	119	534035	48.475	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	261945	50.325	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	256376	50.247	ug/l	97
89) n-Butylbenzene	13.82	91	467813	46.458	ug/l	98
90) Hexachloroethane	14.09	117	97801	48.407	ug/l	72
91) 1,2-Dichlorobenzene	13.87	146	231846	51.258	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	14920	50.926	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	155347	49.412	ug/l	98
94) Hexachlorobutadiene	15.24	225	104004	49.619	ug/l	100
95) Naphthalene	15.36	128	253870	50.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	130386	50.972	ug/l	98

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

