

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015399.D
 Acq On : 05 May 2020 17:04
 Operator : SY/VA
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:11:55 PM

Quant Time: May 05 18:37:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:21:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	361153	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166721	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	45805	24.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	49.56%	
35) Dibromofluoromethane	7.88	113	40707	20.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.52%	
50) Toluene-d8	10.32	98	168882	20.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.04%	
62) 4-Bromofluorobenzene	12.62	95	61723	19.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23998	14.797	ug/l	95
3) Chloromethane	2.21	50	29038	16.311	ug/l	93
4) Vinyl Chloride	2.37	62	47042	21.315	ug/l	98
5) Bromomethane	2.78	94	37842	24.066	ug/l	94
6) Chloroethane	2.92	64	32643	23.445	ug/l	100
7) Trichlorofluoromethane	3.26	101	34067	11.818	ug/l	99
8) Diethyl Ether	3.68	74	22134	24.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39200	20.314	ug/l	98
10) Methyl Iodide	4.26	142	60263	28.262	ug/l	99
11) Tert butyl alcohol	5.20	59	13674	94.635	ug/l	95
12) 1,1-Dichloroethene	4.04	96	40669	21.618	ug/l	97
13) Acrolein	3.89	56	18000	194.619	ug/l	95
14) Allyl chloride	4.67	41	71650	27.277	ug/l	99
15) Acrylonitrile	5.37	53	42728	122.237	ug/l	98
16) Acetone	4.13	43	34681	109.850	ug/l	96
17) Carbon Disulfide	4.38	76	126129	22.540	ug/l	99
18) Methyl Acetate	4.67	43	19075	22.663	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	66350	16.303	ug/l	98
20) Methylene Chloride	4.91	84	46007	22.466	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	45664	21.450	ug/l	99
22) Diisopropyl ether	6.31	45	141307	27.883	ug/l	96
23) Vinyl Acetate	6.26	43	427406	142.415	ug/l	99
24) 1,1-Dichloroethane	6.21	63	83891	24.617	ug/l	99
25) 2-Butanone	7.18	43	55437	127.475	ug/l	99
26) 2,2-Dichloropropane	7.16	77	56396	16.970	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	50458	21.912	ug/l	99
28) Bromochloromethane	7.51	49	34114	27.152	ug/l	100
29) Tetrahydrofuran	7.53	42	36939	134.321	ug/l	99
30) Chloroform	7.68	83	83880	23.191	ug/l	96
31) Cyclohexane	7.95	56	83433	24.297	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	71372	20.834	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69521	20.877	ug/l	99
37) Ethyl Acetate	7.25	43	26667	23.713	ug/l	98
38) Carbon Tetrachloride	8.07	117	65114	18.298	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89235	20.306	ug/l	97
40) Benzene	8.32	78	193040	21.720	ug/l	99
41) Methacrylonitrile	7.48	41	16573	24.457	ug/l	96
42) 1,2-Dichloroethane	8.40	62	59619	22.556	ug/l	99
43) Isopropyl Acetate	8.43	43	57395	24.558	ug/l	99
44) Trichloroethene	9.09	130	50344	18.977	ug/l	99
45) 1,2-Dichloropropane	9.37	63	47649	22.764	ug/l	96
46) Dibromomethane	9.46	93	23723	20.060	ug/l	96
47) Bromodichloromethane	9.65	83	64152	20.216	ug/l	94
48) Methyl methacrylate	9.43	41	26192	23.821	ug/l	99
49) 1,4-Dioxane	9.46	88	5810	372.214	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	134647	122.255	ug/l	100
52) Toluene	10.38	92	125536	20.404	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	65292	20.790	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	76944	21.017	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	33015	19.931	ug/l	99
56) Ethyl methacrylate	10.65	69	45224	20.938	ug/l	98
57) 1,3-Dichloropropane	10.93	76	60347	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	113548	112.972	ug/l	99
59) 2-Hexanone	10.97	43	90624	116.498	ug/l	99
60) Dibromochloromethane	11.13	129	40152	18.626	ug/l	100
61) 1,2-Dibromoethane	11.23	107	31733	19.711	ug/l	100
64) Tetrachloroethene	10.86	164	40149	17.155	ug/l	93
65) Chlorobenzene	11.66	112	128387	19.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	45169	19.170	ug/l	98
67) Ethyl Benzene	11.73	91	246629	20.060	ug/l	97
68) m/p-Xylenes	11.84	106	182536	38.275	ug/l	99
69) o-Xylene	12.16	106	84575	18.932	ug/l	98
70) Styrene	12.18	104	146053	19.150	ug/l	99
71) Bromoform	12.35	173	21486	16.440	ug/l #	97
73) Isopropylbenzene	12.46	105	239714	20.302	ug/l	98
74) N-amyl acetate	12.27	43	56352	25.993	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	37347	21.794	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	25242m	18.703	ug/l	
77) Bromobenzene	12.74	156	50658	19.035	ug/l	98
78) n-propylbenzene	12.80	91	288769	20.921	ug/l	99
79) 2-Chlorotoluene	12.89	91	161379	20.750	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	201735	19.919	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12846	21.025	ug/l	96
82) 4-Chlorotoluene	12.99	91	171348	20.774	ug/l	99
83) tert-Butylbenzene	13.21	119	173331	19.631	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199852	19.950	ug/l	97
85) sec-Butylbenzene	13.38	105	242631	19.826	ug/l	100
86) p-Isopropyltoluene	13.50	119	221131	19.553	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102574	19.281	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	100805	19.322	ug/l	97
89) n-Butylbenzene	13.82	91	219763	20.953	ug/l	99
90) Hexachloroethane	14.09	117	40611	19.542	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	88904	19.337	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6617	21.629	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59756	18.794	ug/l	99
94) Hexachlorobutadiene	15.24	225	34095	16.251	ug/l	96
95) Naphthalene	15.36	128	104377	20.025	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	50413	19.362	ug/l	100

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

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