

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015401.D
 Acq On : 05 May 2020 17:51
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:12:03 PM

Quant Time: May 05 18:40:38 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	227543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	378074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	343822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	171901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	253453	128.63	ug/l	0.00
Spiked Amount			Recovery	=	257.26%	
35) Dibromofluoromethane	7.88	113	220140	104.64	ug/l	0.00
Spiked Amount			Recovery	=	209.28%	
50) Toluene-d8	10.32	98	908747	102.90	ug/l	0.00
Spiked Amount			Recovery	=	205.80%	
62) 4-Bromofluorobenzene	12.62	95	339172	101.23	ug/l	0.00
Spiked Amount			Recovery	=	202.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	145089	83.919	ug/l	99
3) Chloromethane	2.21	50	167444	88.228	ug/l	99
4) Vinyl Chloride	2.37	62	247549	105.218	ug/l	99
5) Bromomethane	2.78	94	187525	111.869	ug/l	92
6) Chloroethane	2.92	64	167387	112.775	ug/l	98
7) Trichlorofluoromethane	3.26	101	185808	60.467	ug/l	99
8) Diethyl Ether	3.68	74	113161	118.431	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	213841	103.949	ug/l	99
10) Methyl Iodide	4.27	142	324906	142.937	ug/l	100
11) Tert butyl alcohol	5.19	59	69424	450.705	ug/l	99
12) 1,1-Dichloroethene	4.03	96	220068	109.734	ug/l	97
13) Acrolein	3.89	56	92147	934.592	ug/l	100
14) Allyl chloride	4.67	41	390245	139.360	ug/l	99
15) Acrylonitrile	5.37	53	241682	648.579	ug/l	100
16) Acetone	4.13	43	198569	589.996	ug/l	98
17) Carbon Disulfide	4.38	76	677418	113.558	ug/l	99
18) Methyl Acetate	4.67	43	104685	116.673	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	347888	80.187	ug/l	99
20) Methylene Chloride	4.92	84	231928	106.237	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	248456	109.479	ug/l	98
22) Diisopropyl ether	6.31	45	760787	140.821	ug/l	99
23) Vinyl Acetate	6.26	43	2351261	734.930	ug/l	99
24) 1,1-Dichloroethane	6.21	63	451013	124.149	ug/l	100
25) 2-Butanone	7.17	43	311612	672.155	ug/l	99
26) 2,2-Dichloropropane	7.17	77	281998	79.599	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	271414	110.563	ug/l	99
28) Bromochloromethane	7.51	49	179628	134.114	ug/l	99
29) Tetrahydrofuran	7.53	42	206340	703.834	ug/l	99
30) Chloroform	7.68	83	449619	116.612	ug/l	98
31) Cyclohexane	7.96	56	423592	115.717	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	370472	101.444	ug/l	99
36) 1,1-Dichloropropene	8.08	75	365577	104.871	ug/l	100
37) Ethyl Acetate	7.25	43	148194	125.878	ug/l	98
38) Carbon Tetrachloride	8.07	117	344424	92.458	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	461002	100.210	ug/l	99
40) Benzene	8.32	78	997941	107.257	ug/l	98
41) Methacrylonitrile	7.48	41	97416	137.326	ug/l	94
42) 1,2-Dichloroethane	8.40	62	306600	110.807	ug/l	100
43) Isopropyl Acetate	8.43	43	309009	126.301	ug/l	99
44) Trichloroethene	9.09	130	259624	93.486	ug/l	97
45) 1,2-Dichloropropane	9.37	63	248748	113.520	ug/l	100
46) Dibromomethane	9.46	93	125865	101.668	ug/l	99
47) Bromodichloromethane	9.65	83	345375	103.967	ug/l	97
48) Methyl methacrylate	9.43	41	146837	127.568	ug/l	99
49) 1,4-Dioxane	9.46	88	31991	1957.757	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	737932	640.029	ug/l	99
52) Toluene	10.39	92	653737	101.501	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	357744	108.811	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	414656	108.193	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	176663	101.877	ug/l	95
56) Ethyl methacrylate	10.65	69	251272	111.129	ug/l	98
57) 1,3-Dichloropropane	10.93	76	318951	109.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	603734	573.787	ug/l	100
59) 2-Hexanone	10.97	43	502807	617.434	ug/l	100
60) Dibromochloromethane	11.13	129	218869	96.988	ug/l	99
61) 1,2-Dibromoethane	11.24	107	172421	102.307	ug/l	99
64) Tetrachloroethene	10.86	164	211470	87.327	ug/l	93
65) Chlorobenzene	11.66	112	668176	98.347	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	241221	98.940	ug/l	99
67) Ethyl Benzene	11.73	91	1291783	101.547	ug/l	98
68) m/p-Xylenes	11.84	106	979873	198.572	ug/l	97
69) o-Xylene	12.16	106	453567	98.123	ug/l	100
70) Styrene	12.18	104	802493	101.690	ug/l	100
71) Bromoform	12.35	173	122622	90.679	ug/l #	98
73) Isopropylbenzene	12.46	105	1265872	103.981	ug/l	99
74) N-amyl acetate	12.27	43	310875	139.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	204232	115.589	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	137712m	98.964	ug/l	
77) Bromobenzene	12.74	156	266011	96.944	ug/l	99
78) n-propylbenzene	12.80	91	1500404	105.428	ug/l	99
79) 2-Chlorotoluene	12.89	91	851481	106.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1054959	101.027	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	76047	120.712	ug/l	98
82) 4-Chlorotoluene	12.99	91	910752	107.091	ug/l	100
83) tert-Butylbenzene	13.21	119	903212	99.215	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1063093	102.922	ug/l	98
85) sec-Butylbenzene	13.38	105	1253775	99.361	ug/l	100
86) p-Isopropyltoluene	13.50	119	1166260	100.016	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	533422	97.245	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	508277	94.489	ug/l	96
89) n-Butylbenzene	13.82	91	1122713	103.816	ug/l	99
90) Hexachloroethane	14.09	117	216710	101.140	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	462364	97.534	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	35496	112.528	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	319848	97.567	ug/l	98
94) Hexachlorobutadiene	15.23	225	181063	83.702	ug/l	98
95) Naphthalene	15.36	128	596387	110.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	273320	101.808	ug/l	98

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

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