

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015402.D
 Acq On : 05 May 2020 18:15
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/6/2020 12:12:07 PM

Quant Time: May 05 18:45:25 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	235509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	390830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	169076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	380765	186.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	373.40%	
35) Dibromofluoromethane	7.88	113	330121	151.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.60%	
50) Toluene-d8	10.32	98	1368740	149.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.86%	
62) 4-Bromofluorobenzene	12.62	95	509641	147.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	217858	121.747	ug/l	100
3) Chloromethane	2.21	50	265642	135.235	ug/l	98
4) Vinyl Chloride	2.37	62	375603	154.246	ug/l	98
5) Bromomethane	2.77	94	294191	169.565	ug/l	93
6) Chloroethane	2.92	64	261952	170.518	ug/l	98
7) Trichlorofluoromethane	3.26	101	290240	91.257	ug/l	96
8) Diethyl Ether	3.68	74	176593	178.566	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	326174	153.191	ug/l	99
10) Methyl Iodide	4.27	142	498709	211.978	ug/l	99
11) Tert butyl alcohol	5.20	59	102406	642.339	ug/l	100
12) 1,1-Dichloroethene	4.03	96	340667	164.123	ug/l	96
13) Acrolein	3.89	56	136343	1336.071	ug/l	97
14) Allyl chloride	4.66	41	607058	209.454	ug/l	98
15) Acrylonitrile	5.37	53	370894	961.666	ug/l	100
16) Acetone	4.13	43	299954	861.090	ug/l	98
17) Carbon Disulfide	4.37	76	1052935	170.536	ug/l	100
18) Methyl Acetate	4.67	43	161631	174.046	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	527200	117.407	ug/l	98
20) Methylene Chloride	4.91	84	359629	159.160	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	391537	166.690	ug/l	100
22) Diisopropyl ether	6.31	45	1181948	211.377	ug/l	99
23) Vinyl Acetate	6.26	43	3656097	1104.127	ug/l	98
24) 1,1-Dichloroethane	6.21	63	707357	188.125	ug/l	99
25) 2-Butanone	7.17	43	471842	983.350	ug/l	100
26) 2,2-Dichloropropane	7.17	77	431457	117.667	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	429201	168.925	ug/l	97
28) Bromochloromethane	7.51	49	277101	199.892	ug/l	100
29) Tetrahydrofuran	7.53	42	311831	1027.690	ug/l	99
30) Chloroform	7.68	83	691789	173.352	ug/l	100
31) Cyclohexane	7.95	56	651648	171.996	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	568055	150.286	ug/l	99
36) 1,1-Dichloropropene	8.08	75	566334	157.158	ug/l	99
37) Ethyl Acetate	7.25	43	225105	184.967	ug/l	98
38) Carbon Tetrachloride	8.07	117	533177	138.456	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	725078	152.468	ug/l	99
40) Benzene	8.32	78	1551417	161.301	ug/l	99
41) Methacrylonitrile	7.48	41	148590	202.629	ug/l	95
42) 1,2-Dichloroethane	8.40	62	470737	164.575	ug/l	100
43) Isopropyl Acetate	8.42	43	469063	185.463	ug/l	100
44) Trichloroethene	9.09	130	404059	140.746	ug/l	100
45) 1,2-Dichloropropane	9.37	63	385798	170.318	ug/l	99
46) Dibromomethane	9.46	93	194488	151.971	ug/l	98
47) Bromodichloromethane	9.64	83	534319	155.595	ug/l	97
48) Methyl methacrylate	9.43	41	223290	187.657	ug/l	99
49) 1,4-Dioxane	9.46	88	46735	2766.700	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	1105051	927.160	ug/l	99
52) Toluene	10.38	92	1024172	153.825	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	561315	165.156	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	648406	163.662	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	273795	152.737	ug/l	96
56) Ethyl methacrylate	10.65	69	389726	166.737	ug/l	98
57) 1,3-Dichloropropane	10.93	76	489957	162.957	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	898533	826.091	ug/l	99
59) 2-Hexanone	10.97	43	747310	887.725	ug/l	99
60) Dibromochloromethane	11.13	129	343418	147.213	ug/l	98
61) 1,2-Dibromoethane	11.24	107	262653	150.760	ug/l	99
64) Tetrachloroethene	10.86	164	312481	124.143	ug/l	97
65) Chlorobenzene	11.66	112	1036733	146.804	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	376151	148.429	ug/l	99
67) Ethyl Benzene	11.73	91	1988207	150.361	ug/l	100
68) m/p-Xylenes	11.83	106	1482139	288.959	ug/l	98
69) o-Xylene	12.16	106	713595	148.518	ug/l	98
70) Styrene	12.18	104	1247199	152.045	ug/l	99
71) Bromoform	12.35	173	192512	136.961	ug/l #	99
73) Isopropylbenzene	12.46	105	1970361	164.554	ug/l	100
74) N-amyl acetate	12.27	43	455933	207.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	301198	173.317	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	204728m	149.582	ug/l	
77) Bromobenzene	12.74	156	408719	151.441	ug/l	100
78) n-propylbenzene	12.80	91	2311551	165.139	ug/l	99
79) 2-Chlorotoluene	12.89	91	1298742	164.666	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1614507	157.195	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	115051	185.676	ug/l	97
82) 4-Chlorotoluene	12.99	91	1374784	164.356	ug/l	100
83) tert-Butylbenzene	13.21	119	1397511	156.076	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1605902	158.071	ug/l	98
85) sec-Butylbenzene	13.38	105	1938696	156.207	ug/l	100
86) p-Isopropyltoluene	13.50	119	1753235	152.865	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	796577	147.646	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	794399	150.147	ug/l	100
89) n-Butylbenzene	13.82	91	1716108	161.337	ug/l	99
90) Hexachloroethane	14.09	117	331452	157.275	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	700403	150.217	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	51893	167.257	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	475858	147.582	ug/l	98
94) Hexachlorobutadiene	15.24	225	282844	132.937	ug/l	99
95) Naphthalene	15.36	128	865215	163.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	416459	157.717	ug/l	99

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

