

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059691.D
 Acq On : 13 Jan 2020 15:16
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:55 AM

Quant Time: Jan 14 08:49:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	218962	75.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.10%	
35) Dibromofluoromethane	7.57	113	184650	94.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.92%	
50) Toluene-d8	10.08	98	714664	92.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	185.66%	
62) 4-Bromofluorobenzene	12.40	95	263668	93.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	251303	97.647	ug/l	99
3) Chloromethane	2.04	50	239319	58.598	ug/l	99
4) Vinyl Chloride	2.17	62	293553	75.797	ug/l	98
5) Bromomethane	2.52	94	165669	73.583	ug/l	98
6) Chloroethane	2.67	64	135682	62.335	ug/l	100
7) Trichlorofluoromethane	3.00	101	336501	79.190	ug/l	99
8) Diethyl Ether	3.38	74	117453	88.464	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.73	101	189979	88.717	ug/l	93
10) Methyl Iodide	3.93	142	313241	110.494	ug/l	95
11) Tert butyl alcohol	4.73	59	195410	367.783	ug/l	100
12) 1,1-Dichloroethene	3.71	96	190997	91.432	ug/l	90
13) Acrolein	3.58	56	132322	349.618	ug/l	96
14) Allyl chloride	4.29	41	266043	62.039	ug/l #	88
15) Acrylonitrile	4.94	53	467600	363.837	ug/l	100
16) Acetone	3.78	43	394763	229.428	ug/l	96
17) Carbon Disulfide	4.03	76	544884	75.963	ug/l	100
18) Methyl Acetate	4.29	43	273005	75.720	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	628415	85.201	ug/l	95
20) Methylene Chloride	4.52	84	210934	84.883	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	203506	87.388	ug/l	89
22) Diisopropyl ether	5.91	45	601530	76.086	ug/l	97
23) Vinyl Acetate	5.86	43	2334780	376.316	ug/l	95
24) 1,1-Dichloroethane	5.82	63	354847	79.235	ug/l	97
25) 2-Butanone	6.80	43	634916	308.579	ug/l	93
26) 2,2-Dichloropropane	6.80	77	335304	82.379	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	232948	90.273	ug/l	89
28) Bromochloromethane	7.17	49	139087	90.568	ug/l #	77
29) Tetrahydrofuran	7.18	42	408207	325.619	ug/l	89
30) Chloroform	7.35	83	372005	84.389	ug/l	99
31) Cyclohexane	7.63	56	323831	76.528	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	346930	87.295	ug/l	96
36) 1,1-Dichloropropene	7.77	75	284695	87.845	ug/l	95
37) Ethyl Acetate	6.90	43	265873	70.584	ug/l	97
38) Carbon Tetrachloride	7.75	117	312520	92.929	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352612	95.920	ug/l	92
40) Benzene	8.02	78	835891	88.257	ug/l	100
41) Methacrylonitrile	7.16	41	150545m	96.842	ug/l	
42) 1,2-Dichloroethane	8.10	62	288889	79.648	ug/l	96
43) Isopropyl Acetate	8.14	43	458148	78.231	ug/l #	95
44) Trichloroethene	8.82	130	239463	96.527	ug/l	92
45) 1,2-Dichloropropane	9.10	63	211604	82.737	ug/l	100
46) Dibromomethane	9.19	93	149293	89.099	ug/l	91
47) Bromodichloromethane	9.39	83	303904	90.970	ug/l	98
48) Methyl methacrylate	9.18	41	212894	80.126	ug/l	92
49) 1,4-Dioxane	9.18	88	78504	2061.745	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	1334402	382.166	ug/l	95
52) Toluene	10.14	92	548295	94.219	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	346961	89.803	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	363165	89.422	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	209612	91.792	ug/l	98
56) Ethyl methacrylate	10.42	69	339073	100.021	ug/l	92
57) 1,3-Dichloropropane	10.70	76	347726	87.456	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	492924	457.189	ug/l	92
59) 2-Hexanone	10.74	43	1010734	367.285	ug/l	95
60) Dibromochloromethane	10.89	129	250725	100.600	ug/l	100
61) 1,2-Dibromoethane	10.99	107	231376	95.538	ug/l	98
64) Tetrachloroethene	10.62	164	225682	85.306	ug/l	96
65) Chlorobenzene	11.43	112	594859	96.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	228794	98.092	ug/l	99
67) Ethyl Benzene	11.50	91	1065214	96.102	ug/l	97
68) m/p-Xylenes	11.62	106	817099	199.632	ug/l	94
69) o-Xylene	11.94	106	391668	100.569	ug/l	96
70) Styrene	11.96	104	683897	109.296	ug/l	97
71) Bromoform	12.12	173	194767	111.087	ug/l #	98
73) Isopropylbenzene	12.24	105	1061010	94.483	ug/l	99
74) N-amyl acetate	12.06	43	426810	82.858	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	308994	86.743	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	224761m	63.468	ug/l	
77) Bromobenzene	12.52	156	270813	98.063	ug/l	83
78) n-propylbenzene	12.59	91	1222936	92.127	ug/l	97
79) 2-Chlorotoluene	12.67	91	711658	88.660	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	898344	94.532	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	120329	83.923	ug/l	93
82) 4-Chlorotoluene	12.77	91	732876	89.174	ug/l	96
83) tert-Butylbenzene	12.99	119	771636	95.881	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	903328	95.596	ug/l	99
85) sec-Butylbenzene	13.17	105	1029029	96.124	ug/l	99
86) p-Isopropyltoluene	13.28	119	954480	98.443	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	485539	95.613	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	485269	94.780	ug/l	97
89) n-Butylbenzene	13.61	91	851075	93.626	ug/l	98
90) Hexachloroethane	13.87	117	181103	98.817	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	467387	93.326	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	69003	65.789	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	306103	94.653	ug/l	98
94) Hexachlorobutadiene	15.01	225	154780	89.374	ug/l	99
95) Naphthalene	15.13	128	902147	93.446	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	299680	91.622	ug/l	99

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

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