

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091020\
 Data File : VN063291.D
 Acq On : 10 Sep 2020 13:08
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:02:20 PM

Quant Time: Sep 10 14:54:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 10 14:25:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	467558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	825113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	723224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	317752	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	37126	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
35) Dibromofluoromethane	7.55	113	26914	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	
50) Toluene-d8	10.06	98	103460	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	12.38	95	37066	5.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	23731	5.205	ug/l	98
3) Chloromethane	2.04	50	32867	4.953	ug/l	99
4) Vinyl Chloride	2.17	62	31185	4.336	ug/l	93
5) Bromomethane	2.53	94	25539	4.402	ug/l	98
6) Chloroethane	2.68	64	21068	3.832	ug/l	92
7) Trichlorofluoromethane	2.98	101	47890	4.411	ug/l	99
8) Diethyl Ether	3.37	74	17092	4.859	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	25765	5.144	ug/l	99
10) Methyl Iodide	3.91	142	28181	4.153	ug/l	98
11) Tert butyl alcohol	4.73	59	22852	24.665	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	24195	4.776	ug/l #	86
13) Acrolein	3.58	56	10997m	31.885	ug/l	
14) Allyl chloride	4.27	41	47041	5.152	ug/l	98
15) Acrylonitrile	4.93	53	58006	24.207	ug/l	98
16) Acetone	3.78	43	57579	26.340	ug/l	98
17) Carbon Disulfide	4.01	76	71976	4.764	ug/l	96
18) Methyl Acetate	4.28	43	29373	5.271	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	88523	4.739	ug/l	99
20) Methylene Chloride	4.51	84	30427	4.687	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	27838	5.002	ug/l	95
22) Diisopropyl ether	5.90	45	102790	5.079	ug/l	93
23) Vinyl Acetate	5.84	43	388260	24.112	ug/l	100
24) 1,1-Dichloroethane	5.79	63	54660	4.921	ug/l #	97
25) 2-Butanone	6.78	43	86586	25.768	ug/l	98
26) 2,2-Dichloropropane	6.77	77	47898	4.751	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	32321	4.778	ug/l	97
28) Bromochloromethane	7.14	49	25688	4.517	ug/l	92
29) Tetrahydrofuran	7.16	42	54156	23.407	ug/l	94
30) Chloroform	7.33	83	53055	4.583	ug/l	100
31) Cyclohexane	7.62	56	61241	5.866	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	47549	4.781	ug/l	98
36) 1,1-Dichloropropene	7.75	75	40354	5.084	ug/l	98
37) Ethyl Acetate	6.88	43	39876	5.865	ug/l #	96
38) Carbon Tetrachloride	7.73	117	39497	4.922	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	45769	5.159	ug/l	96
40) Benzene	8.00	78	118312	5.107	ug/l	99
41) Methacrylonitrile	7.12	41	13898	4.053	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	43751	5.034	ug/l	98
43) Isopropyl Acetate	8.13	43	65635	5.076	ug/l #	79
44) Trichloroethene	8.80	130	29953	5.252	ug/l	96
45) 1,2-Dichloropropane	9.08	63	31919	5.159	ug/l	99
46) Dibromomethane	9.17	93	20616	5.088	ug/l	98
47) Bromodichloromethane	9.37	83	41492	4.785	ug/l	96
48) Methyl methacrylate	9.17	41	32036	5.472	ug/l	96
49) 1,4-Dioxane	9.17	88	10029	111.350	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	184386	26.218	ug/l	100
52) Toluene	10.12	92	71162	4.951	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	43866	4.644	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	50164	5.005	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	27383	4.962	ug/l	98
56) Ethyl methacrylate	10.40	69	40661	4.832	ug/l	96
57) 1,3-Dichloropropane	10.68	76	48630	4.962	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	111422	25.742	ug/l	99
59) 2-Hexanone	10.72	43	132378	26.680	ug/l	98
60) Dibromochloromethane	10.87	129	28994	4.754	ug/l	99
61) 1,2-Dibromoethane	10.98	107	27410	4.800	ug/l	98
64) Tetrachloroethene	10.60	164	29374	5.536	ug/l	94
65) Chlorobenzene	11.41	112	75961	5.223	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	28502	5.309	ug/l	97
67) Ethyl Benzene	11.49	91	135601	5.115	ug/l	99
68) m/p-Xylenes	11.59	106	103102	10.536	ug/l	92
69) o-Xylene	11.92	106	47007	4.971	ug/l	96
70) Styrene	11.94	104	76007	4.692	ug/l	99
71) Bromoform	12.10	173	17083	4.660	ug/l #	96
73) Isopropylbenzene	12.23	105	130360	5.394	ug/l	96
74) N-amyl acetate	12.05	43	47547	4.708	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	34806	5.012	ug/l	96
76) 1,2,3-Trichloropropane	12.53	75	35295m	5.193	ug/l	
77) Bromobenzene	12.50	156	28189	5.132	ug/l	99
78) n-propylbenzene	12.57	91	143854	5.145	ug/l	99
79) 2-Chlorotoluene	12.65	91	88805	5.288	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	103000	5.098	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.28	75	11993	4.693	ug/l	97
82) 4-Chlorotoluene	12.75	91	89583	5.149	ug/l	98
83) tert-Butylbenzene	12.97	119	88456	5.130	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	103420	5.079	ug/l	96
85) sec-Butylbenzene	13.15	105	113977	5.095	ug/l	99
86) p-Isopropyltoluene	13.26	119	101099	5.078	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	50376	5.005	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	51973	5.006	ug/l	89
89) n-Butylbenzene	13.59	91	88773	4.820	ug/l	99
90) Hexachloroethane	13.85	117	14890	4.057	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	52675	5.391	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	7100	4.566	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	28313	5.128	ug/l	97
94) Hexachlorobutadiene	14.98	225	11375	5.451	ug/l	96
95) Naphthalene	15.11	128	83677	4.631	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	27361	5.087	ug/l	97

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

