

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063359.D
 Acq On : 16 Sep 2020 11:32
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:50 PM

Quant Time: Sep 16 12:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	273557	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	482567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	441383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	89445	20.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.26%	
35) Dibromofluoromethane	7.55	113	63694	20.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.72%	
50) Toluene-d8	10.06	98	237954	19.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.72%	
62) 4-Bromofluorobenzene	12.38	95	85125	19.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62256	22.943	ug/l	96
3) Chloromethane	2.03	50	83012	20.848	ug/l	99
4) Vinyl Chloride	2.16	62	76577	20.666	ug/l	99
5) Bromomethane	2.53	94	42907	17.143	ug/l	96
6) Chloroethane	2.68	64	44153	18.520	ug/l	94
7) Trichlorofluoromethane	2.99	101	109871	19.257	ug/l	99
8) Diethyl Ether	3.37	74	41531	19.986	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59964	19.902	ug/l	98
10) Methyl Iodide	3.91	142	77714	20.014	ug/l	97
11) Tert butyl alcohol	4.73	59	67648	116.499	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	62021	20.518	ug/l	100
13) Acrolein	3.57	56	29810	111.923	ug/l	99
14) Allyl chloride	4.28	41	125036	20.191	ug/l	99
15) Acrylonitrile	4.93	53	173133	110.458	ug/l	99
16) Acetone	3.78	43	148462	99.850	ug/l	100
17) Carbon Disulfide	4.01	76	177659	19.013	ug/l	100
18) Methyl Acetate	4.28	43	78310	20.876	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	225792	20.876	ug/l	100
20) Methylene Chloride	4.50	84	73323	19.258	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	67032	19.853	ug/l	97
22) Diisopropyl ether	5.90	45	253582	20.948	ug/l	96
23) Vinyl Acetate	5.84	43	1068684	111.539	ug/l	100
24) 1,1-Dichloroethane	5.80	63	139390	21.082	ug/l	97
25) 2-Butanone	6.78	43	236209	107.092	ug/l	98
26) 2,2-Dichloropropane	6.77	77	118992	20.588	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	76689	19.493	ug/l	96
28) Bromochloromethane	7.15	49	60628	19.093	ug/l	96
29) Tetrahydrofuran	7.16	42	163262	113.630	ug/l	99
30) Chloroform	7.33	83	135272	20.508	ug/l	99
31) Cyclohexane	7.61	56	125205	20.614	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	121885	21.120	ug/l	98
36) 1,1-Dichloropropene	7.76	75	99689	19.919	ug/l	99
37) Ethyl Acetate	6.88	43	105981	21.448	ug/l	99
38) Carbon Tetrachloride	7.74	117	104483	21.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	108185	19.832	ug/l	98
40) Benzene	8.00	78	290359	20.347	ug/l	100
41) Methacrylonitrile	7.12	41	41481	18.447	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	117067	21.407	ug/l	99
43) Isopropyl Acetate	8.13	43	180765	21.569	ug/l	97
44) Trichloroethene	8.80	130	70233	19.105	ug/l	98
45) 1,2-Dichloropropane	9.08	63	80537	20.555	ug/l	99
46) Dibromomethane	9.17	93	51397	20.125	ug/l	97
47) Bromodichloromethane	9.37	83	109283	20.606	ug/l	100
48) Methyl methacrylate	9.16	41	84484	20.979	ug/l	95
49) 1,4-Dioxane	9.16	88	27071	436.320	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	529345	114.746	ug/l	99
52) Toluene	10.12	92	178417	20.426	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	120474	20.801	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	127039	20.394	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	69601	20.346	ug/l	96
56) Ethyl methacrylate	10.40	69	109050	20.983	ug/l	99
57) 1,3-Dichloropropane	10.68	76	125873	21.047	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	271990	97.317	ug/l	99
59) 2-Hexanone	10.72	43	389490	114.557	ug/l	100
60) Dibromochloromethane	10.87	129	80549	21.416	ug/l	97
61) 1,2-Dibromoethane	10.98	107	71628	20.064	ug/l	98
64) Tetrachloroethene	10.60	164	58199	16.548	ug/l	96
65) Chlorobenzene	11.41	112	184201	19.339	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	69304	19.935	ug/l	99
67) Ethyl Benzene	11.48	91	346677	20.212	ug/l	99
68) m/p-Xylenes	11.60	106	251299	39.566	ug/l	100
69) o-Xylene	11.92	106	122014	20.070	ug/l	98
70) Styrene	11.94	104	202048	19.927	ug/l	99
71) Bromoform	12.10	173	50682	20.804	ug/l #	100
73) Isopropylbenzene	12.22	105	327789	20.217	ug/l	100
74) N-amyl acetate	12.05	43	157246	23.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	106826	22.746	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	97932m	21.650	ug/l	
77) Bromobenzene	12.50	156	73127	19.641	ug/l	98
78) n-propylbenzene	12.57	91	379989	20.663	ug/l	100
79) 2-Chlorotoluene	12.65	91	230076	20.351	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	275634	20.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	37371	22.422	ug/l	94
82) 4-Chlorotoluene	12.75	91	238612	20.078	ug/l	100
83) tert-Butylbenzene	12.97	119	224132	19.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	274995	20.244	ug/l	99
85) sec-Butylbenzene	13.14	105	302110	20.801	ug/l	98
86) p-Isopropyltoluene	13.26	119	262937	19.790	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	134771	19.788	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	135042	19.048	ug/l	99
89) n-Butylbenzene	13.59	91	241143	20.075	ug/l	99
90) Hexachloroethane	13.85	117	49212	22.226	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	137469	20.390	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	24519	22.802	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	76617	19.283	ug/l	99
94) Hexachlorobutadiene	14.98	225	31933	18.778	ug/l	97
95) Naphthalene	15.10	128	260550	20.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	74306	19.114	ug/l	99

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

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