

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064427.D
 Acq On : 4 Nov 2020 10:36
 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
 11/5/2020 2:19:13 PM

Quant Time: Nov 04 11:48:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	650850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	600761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	130852	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
35) Dibromofluoromethane	7.55	113	91058	20.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.94%	
50) Toluene-d8	10.06	98	338881	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.37	95	127270	20.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93522	21.638	ug/l	99
3) Chloromethane	2.04	50	113010	23.564	ug/l	96
4) Vinyl Chloride	2.17	62	115812	24.774	ug/l	97
5) Bromomethane	2.54	94	73067	23.848	ug/l	94
6) Chloroethane	2.68	64	73739	25.856	ug/l	99
7) Trichlorofluoromethane	2.99	101	172838	22.587	ug/l	99
8) Diethyl Ether	3.38	74	59578	24.178	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78898	20.786	ug/l	99
10) Methyl Iodide	3.91	142	93800	18.938	ug/l	99
11) Tert butyl alcohol	4.75	59	68891	82.917	ug/l	100
12) 1,1-Dichloroethene	3.69	96	76539	21.353	ug/l	94
13) Acrolein	3.57	56	40683	161.661	ug/l	93
14) Allyl chloride	4.28	41	146134	20.011	ug/l	95
15) Acrylonitrile	4.93	53	198251	105.690	ug/l	98
16) Acetone	3.78	43	257405	115.650	ug/l	100
17) Carbon Disulfide	4.01	76	229477	21.461	ug/l	98
18) Methyl Acetate	4.28	43	90830	20.308	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	278324	20.383	ug/l	100
20) Methylene Chloride	4.51	84	92457	21.604	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	89079	22.068	ug/l	95
22) Diisopropyl ether	5.90	45	318547	21.904	ug/l	100
23) Vinyl Acetate	5.85	43	1339299	110.081	ug/l	99
24) 1,1-Dichloroethane	5.80	63	176560	21.890	ug/l	99
25) 2-Butanone	6.79	43	322610	106.877	ug/l	100
26) 2,2-Dichloropropane	6.78	77	156754	20.149	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	100164	21.730	ug/l	98
28) Bromochloromethane	7.15	49	92759	24.749	ug/l	97
29) Tetrahydrofuran	7.17	42	186981	96.798	ug/l	99
30) Chloroform	7.33	83	186705	21.684	ug/l	99
31) Cyclohexane	7.61	56	145492	20.546	ug/l	93
32) 1,1,1-Trichloroethane	7.52	97	164822	20.274	ug/l	98
36) 1,1-Dichloropropene	7.75	75	133760	19.931	ug/l	99
37) Ethyl Acetate	6.88	43	130846	19.545	ug/l	99
38) Carbon Tetrachloride	7.73	117	142587	18.737	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117677	17.979	ug/l	98
40) Benzene	8.00	78	389799	20.735	ug/l	100
41) Methacrylonitrile	7.12	41	56931	17.459	ug/l	93
42) 1,2-Dichloroethane	8.08	62	163275	20.398	ug/l	99
43) Isopropyl Acetate	8.13	43	220189	19.277	ug/l	99
44) Trichloroethene	8.80	130	99911	20.587	ug/l	96
45) 1,2-Dichloropropane	9.08	63	104957	20.815	ug/l	98
46) Dibromomethane	9.17	93	70987	20.508	ug/l	98
47) Bromodichloromethane	9.37	83	148931	19.376	ug/l #	98
48) Methyl methacrylate	9.17	41	110986	18.811	ug/l	98
49) 1,4-Dioxane	9.17	88	30243	355.757	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	653001	97.804	ug/l	100
52) Toluene	10.12	92	244639	20.657	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	159864	19.560	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	168916	20.092	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	92334	19.852	ug/l	97
56) Ethyl methacrylate	10.40	69	136110	19.414	ug/l	99
57) 1,3-Dichloropropane	10.68	76	166536	20.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	345267	94.653	ug/l	98
59) 2-Hexanone	10.72	43	478944	97.603	ug/l	100
60) Dibromochloromethane	10.87	129	103608	19.132	ug/l	100
61) 1,2-Dibromoethane	10.97	107	95699	20.319	ug/l	100
64) Tetrachloroethene	10.60	164	88483	17.946	ug/l	94
65) Chlorobenzene	11.41	112	257838	20.750	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	96560	19.423	ug/l	99
67) Ethyl Benzene	11.48	91	461909	20.010	ug/l	100
68) m/p-Xylenes	11.60	106	333798	39.080	ug/l	97
69) o-Xylene	11.92	106	159867	19.407	ug/l	97
70) Styrene	11.94	104	269980	19.996	ug/l	99
71) Bromoform	12.10	173	63681	16.660	ug/l #	97
73) Isopropylbenzene	12.22	105	413679	20.457	ug/l	100
74) N-amyl acetate	12.04	43	184483	20.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	127453	21.585	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	120927m	19.093	ug/l	
77) Bromobenzene	12.50	156	98833	20.136	ug/l	100
78) n-propylbenzene	12.56	91	471072	20.581	ug/l	99
79) 2-Chlorotoluene	12.65	91	302965	20.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	343810	20.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	42140	18.922	ug/l	93
82) 4-Chlorotoluene	12.75	91	316542	21.183	ug/l	100
83) tert-Butylbenzene	12.97	119	272310	19.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	350765	20.585	ug/l	98
85) sec-Butylbenzene	13.14	105	346228	19.261	ug/l	100
86) p-Isopropyltoluene	13.26	119	310604	19.235	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	171990	19.937	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	174819	19.895	ug/l	96
89) n-Butylbenzene	13.59	91	262491	18.430	ug/l	99
90) Hexachloroethane	13.85	117	55701	18.479	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	168854	19.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25511	18.032	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	69421	16.833	ug/l	99
94) Hexachlorobutadiene	14.98	225	34458	13.838	ug/l	97
95) Naphthalene	15.10	128	220969	17.103	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	67594	16.970	ug/l	99

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

