

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062970.D
 Acq On : 17 Aug 2020 14:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:47 AM

Quant Time: Aug 17 15:05:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 14:58:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	315386	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	313333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146589	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	43232	12.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.44%	
35) Dibromofluoromethane	7.55	113	38449	18.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.00%	
50) Toluene-d8	10.06	98	151469	18.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.28%	
62) 4-Bromofluorobenzene	12.38	95	51473	16.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.20%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	55353	18.089	ug/l 100
3) Chloromethane	2.04	50	50028	17.172	ug/l 98
4) Vinyl Chloride	2.16	62	58376	20.265	ug/l 99
5) Bromomethane	2.52	94	43633	22.838	ug/l 100
6) Chloroethane	2.66	64	42562	22.530	ug/l 93
7) Trichlorofluoromethane	2.98	101	85071	17.341	ug/l 98
8) Diethyl Ether	3.37	74	21063	15.113	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	36648	16.734	ug/l 99
10) Methyl Iodide	3.91	142	48695	19.898	ug/l 100
11) Tert butyl alcohol	4.74	59	37437	67.917	ug/l 97
12) 1,1-Dichloroethene	3.70	96	33174	15.966	ug/l 96
13) Acrolein	3.57	56	20034	58.564	ug/l 96
14) Allyl chloride	4.27	41	50597	13.519	ug/l 100
15) Acrylonitrile	4.93	53	101116	75.624	ug/l 99
16) Acetone	3.78	43	76721	61.611	ug/l 99
17) Carbon Disulfide	4.01	76	90222	14.743	ug/l 100
18) Methyl Acetate	4.28	43	43272	12.902	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	117732	14.393	ug/l 97
20) Methylene Chloride	4.50	84	42424	15.987	ug/l 95
21) trans-1,2-Dichloroethene	4.99	96	37188	17.031	ug/l 92
22) Diisopropyl ether	5.90	45	119636	15.091	ug/l 95
23) Vinyl Acetate	5.84	43	393014	65.553	ug/l 99
24) 1,1-Dichloroethane	5.80	63	70523	15.091	ug/l 99
25) 2-Butanone	6.79	43	121890	69.467	ug/l 97
26) 2,2-Dichloropropane	6.78	77	56449	13.403	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	44328	17.008	ug/l 98
28) Bromochloromethane	7.15	49	35026	15.499	ug/l 100
29) Tetrahydrofuran	7.17	42	82320	72.050	ug/l 98
30) Chloroform	7.33	83	75398	15.310	ug/l 97
31) Cyclohexane	7.62	56	67391	15.817	ug/l # 96
32) 1,1,1-Trichloroethane	7.53	97	61058	14.057	ug/l 99
36) 1,1-Dichloropropene	7.75	75	50357	16.848	ug/l 99
37) Ethyl Acetate	6.89	43	46755	15.242	ug/l 98
38) Carbon Tetrachloride	7.73	117	56045	15.898	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	66926	18.186	ug/l	97
40) Benzene	8.00	78	163054	17.964	ug/l	100
41) Methacrylonitrile	7.14	41	22050m	16.320	ug/l	
42) 1,2-Dichloroethane	8.09	62	53794	14.510	ug/l	99
43) Isopropyl Acetate	8.13	43	73841	14.458	ug/l #	91
44) Trichloroethene	8.80	130	44811	19.930	ug/l	93
45) 1,2-Dichloropropane	9.09	63	44885	18.418	ug/l	99
46) Dibromomethane	9.18	93	29124	18.221	ug/l	98
47) Bromodichloromethane	9.37	83	59819	16.935	ug/l	97
48) Methyl methacrylate	9.17	41	35540	14.193	ug/l	97
49) 1,4-Dioxane	9.17	88	15863	337.677	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	261716	79.335	ug/l	99
52) Toluene	10.12	92	108143	19.261	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	64738	16.729	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	69242	17.537	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	47811	19.885	ug/l	98
56) Ethyl methacrylate	10.40	69	62397	17.710	ug/l	99
57) 1,3-Dichloropropane	10.68	76	75340	18.749	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	60358	61.899	ug/l	98
59) 2-Hexanone	10.72	43	198783	81.204	ug/l	99
60) Dibromochloromethane	10.87	129	52975	19.463	ug/l	100
61) 1,2-Dibromoethane	10.98	107	47019	19.846	ug/l	100
64) Tetrachloroethene	10.60	164	41861	20.424	ug/l	97
65) Chlorobenzene	11.41	112	125756	19.284	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	49348	18.989	ug/l	98
67) Ethyl Benzene	11.48	91	205934	17.895	ug/l	97
68) m/p-Xylenes	11.60	106	162268	38.463	ug/l	99
69) o-Xylene	11.92	106	75638	19.175	ug/l	100
70) Styrene	11.94	104	132717	19.153	ug/l	99
71) Bromoform	12.10	173	41168	19.176	ug/l #	100
73) Isopropylbenzene	12.22	105	201320	18.628	ug/l	99
74) N-amyl acetate	12.05	43	63217	15.001	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	67489	17.756	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	61926m	16.318	ug/l	
77) Bromobenzene	12.50	156	56743	20.594	ug/l	99
78) n-propylbenzene	12.57	91	222891	17.630	ug/l	99
79) 2-Chlorotoluene	12.65	91	135454	17.167	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	170754	18.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	20628	16.728	ug/l	97
82) 4-Chlorotoluene	12.75	91	140093	17.191	ug/l	100
83) tert-Butylbenzene	12.97	119	142588	17.921	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	160829	17.952	ug/l	98
85) sec-Butylbenzene	13.15	105	192024	18.403	ug/l	99
86) p-Isopropyltoluene	13.26	119	167134	18.025	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	94098	19.273	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	95193	19.375	ug/l	98
89) n-Butylbenzene	13.59	91	122204	15.691	ug/l	99
90) Hexachloroethane	13.85	117	34174	17.227	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	91908	20.010	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11109	14.162	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	40556	18.650	ug/l	99
94) Hexachlorobutadiene	14.98	225	33854	20.762	ug/l	99
95) Naphthalene	15.10	128	90645	16.241	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	42059	19.982	ug/l	97

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

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