

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062974.D
 Acq On : 17 Aug 2020 16:20
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:12:59 AM

Quant Time: Aug 17 16:44:04 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	241935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	347877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	323791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	14163	3.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	7.62%	
35) Dibromofluoromethane	7.55	113	12217	5.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.38%	
50) Toluene-d8	10.06	98	45559	4.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.90%	
62) 4-Bromofluorobenzene	12.38	95	15976	4.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	10510	3.143	ug/l	100
3) Chloromethane	2.04	50	11864	3.726	ug/l	90
4) Vinyl Chloride	2.16	62	15168	4.818	ug/l	97
5) Bromomethane	2.52	94	14947	7.158	ug/l	99
6) Chloroethane	2.67	64	11696	5.665	ug/l	98
7) Trichlorofluoromethane	2.98	101	24269	4.527	ug/l	95
8) Diethyl Ether	3.38	74	7562	4.965	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	11969	5.001	ug/l	98
10) Methyl Iodide	3.91	142	10834	4.051	ug/l #	90
11) Tert butyl alcohol	4.73	59	12608	20.929	ug/l #	79
12) 1,1-Dichloroethene	3.69	96	11286	4.970	ug/l	92
13) Acrolein	3.57	56	6394	17.102	ug/l	99
14) Allyl chloride	4.27	41	16512	4.037	ug/l	98
15) Acrylonitrile	4.94	53	28176	19.282	ug/l	97
16) Acetone	3.78	43	26963	19.812	ug/l	97
17) Carbon Disulfide	4.01	76	34215	5.116	ug/l	95
18) Methyl Acetate	4.28	43	13041	3.558	ug/l	93
19) Methyl tert-butyl Ether	4.99	73	32606	3.647	ug/l	100
20) Methylene Chloride	4.51	84	14478	4.992	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	12414	5.202	ug/l	92
22) Diisopropyl ether	5.90	45	33135	3.824	ug/l #	83
23) Vinyl Acetate	5.84	43	127647	19.481	ug/l	97
24) 1,1-Dichloroethane	5.80	63	21553	4.220	ug/l	99
25) 2-Butanone	6.79	43	35859	18.700	ug/l	100
26) 2,2-Dichloropropane	6.77	77	18210	3.956	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	14384	5.050	ug/l	98
28) Bromochloromethane	7.15	49	9835	3.982	ug/l #	99
29) Tetrahydrofuran	7.17	42	22417	17.953	ug/l	99
30) Chloroform	7.33	83	21508	3.996	ug/l	99
31) Cyclohexane	7.61	56	20888	4.486	ug/l #	81
32) 1,1,1-Trichloroethane	7.53	97	18677	3.934	ug/l	99
36) 1,1-Dichloropropene	7.75	75	16860	5.114	ug/l	97
37) Ethyl Acetate	6.88	43	13858	4.096	ug/l	97
38) Carbon Tetrachloride	7.73	117	16851	4.334	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	18562	4.573	ug/l	95
40) Benzene	8.00	78	51893	5.183	ug/l	99
41) Methacrylonitrile	7.14	41	6826m	4.580	ug/l	
42) 1,2-Dichloroethane	8.08	62	16873	4.126	ug/l	99
43) Isopropyl Acetate	8.13	43	22040	3.912	ug/l	99
44) Trichloroethene	8.80	130	13989	5.641	ug/l	94
45) 1,2-Dichloropropane	9.08	63	13256	4.931	ug/l	99
46) Dibromomethane	9.17	93	8739	4.957	ug/l	99
47) Bromodichloromethane	9.37	83	16856	4.326	ug/l	100
48) Methyl methacrylate	9.17	41	10043	3.636	ug/l	97
49) 1,4-Dioxane	9.17	88	4546	87.733	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	70682	19.425	ug/l	95
52) Toluene	10.12	92	31242	5.045	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	17814	4.173	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	19881	4.565	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	13301	5.015	ug/l	94
56) Ethyl methacrylate	10.40	69	16280	4.189	ug/l	99
57) 1,3-Dichloropropane	10.68	76	19728	4.451	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.67	63	16701	15.528	ug/l	97
59) 2-Hexanone	10.72	43	51064	18.912	ug/l	98
60) Dibromochloromethane	10.87	129	14012	4.667	ug/l	95
61) 1,2-Dibromoethane	10.98	107	13364	5.114	ug/l	93
64) Tetrachloroethene	10.60	164	12869	6.076	ug/l	97
65) Chlorobenzene	11.41	112	34484	5.117	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	13433	5.002	ug/l	98
67) Ethyl Benzene	11.48	91	56157	4.722	ug/l	100
68) m/p-Xylenes	11.60	106	41781	9.584	ug/l	94
69) o-Xylene	11.92	106	19896	4.881	ug/l	99
70) Styrene	11.94	104	33040	4.614	ug/l	98
71) Bromoform	12.10	173	10862	4.896	ug/l #	96
73) Isopropylbenzene	12.22	105	52920	5.093	ug/l	98
74) N-amyl acetate	12.05	43	16532	4.080	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	18499	5.063	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	16225m	4.447	ug/l	
77) Bromobenzene	12.50	156	15442	5.829	ug/l	98
78) n-propylbenzene	12.57	91	59026	4.856	ug/l	98
79) 2-Chlorotoluene	12.65	91	37051	4.884	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	43043	4.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	5232	4.413	ug/l	94
82) 4-Chlorotoluene	12.75	91	38347	4.895	ug/l	97
83) tert-Butylbenzene	12.97	119	36794	4.810	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	40191	4.666	ug/l	100
85) sec-Butylbenzene	13.15	105	48674	4.852	ug/l	100
86) p-Isopropyltoluene	13.26	119	41911	4.701	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	24706	5.263	ug/l	96
88) 1,4-Dichlorobenzene	13.34	146	25337	5.364	ug/l	94
89) n-Butylbenzene	13.59	91	33289	4.446	ug/l	97
90) Hexachloroethane	13.85	117	9574	5.020	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	23905	5.413	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2835	3.759	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	9483	4.536	ug/l	98
94) Hexachlorobutadiene	14.98	225	10271	6.552	ug/l	97
95) Naphthalene	15.10	128	24854	4.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	10477	5.177	ug/l	98

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

