

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065039.D
 Acq On : 10 Dec 2020 10:47
 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
 12/11/2020 12:32:18 PM

Quant Time: Dec 10 14:18:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	215269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	332802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	297905	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	144491	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	50076	20.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	40.02%#
35) Dibromofluoromethane	7.55	113	42410	20.98	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	41.96%#
50) Toluene-d8	10.06	98	165062	20.19	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	40.38%#
62) 4-Bromofluorobenzene	12.37	95	54192	18.61	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	37.22%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	25391	14.110 ug/l	99
3) Chloromethane	2.04	50	34452	14.634 ug/l	100
4) Vinyl Chloride	2.17	62	37843	15.335 ug/l	99
5) Bromomethane	2.53	94	25804	15.933 ug/l	96
6) Chloroethane	2.68	64	25160	16.294 ug/l	97
7) Trichlorofluoromethane	2.99	101	56067	16.227 ug/l	95
8) Diethyl Ether	3.38	74	22838	16.710 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	35751	17.197 ug/l	99
10) Methyl Iodide	3.91	142	41353	15.612 ug/l	99
11) Tert butyl alcohol	4.75	59	28442	75.958 ug/l #	86
12) 1,1-Dichloroethene	3.69	96	32591	15.909 ug/l	95
13) Acrolein	3.57	56	22122	92.252 ug/l	96
14) Allyl chloride	4.28	41	51137	15.111 ug/l	97
15) Acrylonitrile	4.93	53	87686	82.689 ug/l	99
16) Acetone	3.78	43	87127	103.665 ug/l	100
17) Carbon Disulfide	4.01	76	76372	13.074 ug/l	99
18) Methyl Acetate	4.28	43	41708	16.968 ug/l	98
19) Methyl tert-butyl Ether	4.99	73	109256	16.512 ug/l	93
20) Methylene Chloride	4.50	84	41140	16.057 ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	35493	15.573 ug/l	97
22) Diisopropyl ether	5.90	45	117177	17.145 ug/l	95
23) Vinyl Acetate	5.85	43	438517	80.778 ug/l	99
24) 1,1-Dichloroethane	5.80	63	69344	16.981 ug/l	99
25) 2-Butanone	6.79	43	113545	86.454 ug/l	98
26) 2,2-Dichloropropane	6.78	77	59222	16.729 ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	42367	16.404 ug/l	98
28) Bromochloromethane	7.15	49	36613	19.577 ug/l	99
29) Tetrahydrofuran	7.17	42	69604	77.480 ug/l	97
30) Chloroform	7.33	83	73028	17.235 ug/l	98
31) Cyclohexane	7.61	56	50173	14.743 ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	62399	17.225 ug/l	100
36) 1,1-Dichloropropene	7.75	75	48330	15.811 ug/l	97
37) Ethyl Acetate	6.88	43	46940	16.191 ug/l #	85
38) Carbon Tetrachloride	7.73	117	53615	16.834 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	45586	14.071	ug/l	96
40) Benzene	8.00	78	158087	16.878	ug/l	100
41) Methacrylonitrile	7.14	41	23819m	17.044	ug/l	
42) 1,2-Dichloroethane	8.08	62	53758	16.983	ug/l	100
43) Isopropyl Acetate	8.13	43	74359	15.839	ug/l #	89
44) Trichloroethene	8.80	130	44211	16.064	ug/l	97
45) 1,2-Dichloropropane	9.08	63	43293	17.695	ug/l	100
46) Dibromomethane	9.17	93	27962	17.170	ug/l	98
47) Bromodichloromethane	9.37	83	56421	17.218	ug/l	96
48) Methyl methacrylate	9.16	41	36637	16.336	ug/l	99
49) 1,4-Dioxane	9.16	88	12796	302.534	ug/l #	92
51) 4-Methyl-2-Pentanone	9.95	43	234993	83.466	ug/l	99
52) Toluene	10.12	92	98701	17.064	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	58334	16.061	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	65402	16.760	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	41465	17.316	ug/l	98
56) Ethyl methacrylate	10.40	69	50038	15.412	ug/l	93
57) 1,3-Dichloropropane	10.68	76	67992	17.330	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	150139	83.890	ug/l	99
59) 2-Hexanone	10.72	43	166981	82.482	ug/l	97
60) Dibromochloromethane	10.87	129	46997	17.736	ug/l	99
61) 1,2-Dibromoethane	10.97	107	40548	16.774	ug/l	96
64) Tetrachloroethene	10.60	164	46507	16.249	ug/l	99
65) Chlorobenzene	11.40	112	111229	17.346	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	43521	18.470	ug/l	97
67) Ethyl Benzene	11.48	91	174549	16.408	ug/l	99
68) m/p-Xylenes	11.59	106	139922	34.539	ug/l	99
69) o-Xylene	11.92	106	64392	16.779	ug/l	96
70) Styrene	11.94	104	111764	17.241	ug/l	99
71) Bromoform	12.10	173	32195	17.200	ug/l #	100
73) Isopropylbenzene	12.22	105	171610	17.147	ug/l	100
74) N-amyl acetate	12.04	43	60342	15.592	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	54979	18.676	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	49326m	16.099	ug/l	
77) Bromobenzene	12.50	156	45740	16.904	ug/l	97
78) n-propylbenzene	12.56	91	193983	17.079	ug/l	99
79) 2-Chlorotoluene	12.65	91	121131	17.229	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	144277	17.356	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	17676	15.957	ug/l	97
82) 4-Chlorotoluene	12.75	91	127682	17.311	ug/l	99
83) tert-Butylbenzene	12.97	119	118434	16.993	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	143161	16.995	ug/l	98
85) sec-Butylbenzene	13.14	105	154552	16.792	ug/l	100
86) p-Isopropyltoluene	13.26	119	139385	16.636	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	80323	16.702	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	81395	16.011	ug/l	94
89) n-Butylbenzene	13.59	91	110863	15.148	ug/l	99
90) Hexachloroethane	13.85	117	25722	17.573	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	82313	17.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	10911	16.834	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	36797	12.878	ug/l	98
94) Hexachlorobutadiene	14.98	225	22381	15.363	ug/l	97
95) Naphthalene	15.10	128	103220	12.107	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34571	12.306	ug/l	98

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

