

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065046.D
 Acq On : 10 Dec 2020 16:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121020

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:40 PM

Quant Time: Dec 11 03:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 16:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	215632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	324473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	150683	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	114912	44.76	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	89.52%
35) Dibromofluoromethane	7.54	113	102782	47.88	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.76%
50) Toluene-d8	10.05	98	399022	48.45	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.90%
62) 4-Bromofluorobenzene	12.37	95	137682	48.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.56%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	66442	48.665	ug/l	98
3) Chloromethane	2.04	50	86687	47.037	ug/l	99
4) Vinyl Chloride	2.17	62	97218	48.306	ug/l	98
5) Bromomethane	2.53	94	67634	49.522	ug/l	99
6) Chloroethane	2.67	64	64018	47.656	ug/l	99
7) Trichlorofluoromethane	2.99	101	150111	47.089	ug/l	94
8) Diethyl Ether	3.37	74	59321	46.863	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	93196	46.933	ug/l	96
10) Methyl Iodide	3.90	142	113434	47.216	ug/l	99
11) Tert butyl alcohol	4.74	59	69665	224.031	ug/l	98
12) 1,1-Dichloroethene	3.69	96	87744	47.195	ug/l	95
13) Acrolein	3.56	56	40033	159.187	ug/l	100
14) Allyl chloride	4.27	41	143519	47.635	ug/l	99
15) Acrylonitrile	4.93	53	220014	225.098	ug/l	100
16) Acetone	3.77	43	222350	244.182	ug/l	100
17) Carbon Disulfide	4.00	76	198779	46.794	ug/l	99
18) Methyl Acetate	4.27	43	104614	45.588	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	300394	47.932	ug/l	97
20) Methylene Chloride	4.50	84	105792	45.605	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	96025	47.308	ug/l	97
22) Diisopropyl ether	5.90	45	316967	48.257	ug/l	99
23) Vinyl Acetate	5.84	43	1217907	239.918	ug/l	100
24) 1,1-Dichloroethane	5.79	63	184082	47.314	ug/l	99
25) 2-Butanone	6.78	43	290033	230.966	ug/l	98
26) 2,2-Dichloropropane	6.77	77	161617	48.477	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	114972	46.912	ug/l	99
28) Bromochloromethane	7.14	49	81686	44.172	ug/l	98
29) Tetrahydrofuran	7.16	42	178255	226.120	ug/l	98
30) Chloroform	7.32	83	191759	47.688	ug/l	100
31) Cyclohexane	7.61	56	137163	47.747	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	164486	47.754	ug/l	100
36) 1,1-Dichloropropene	7.75	75	137880	49.822	ug/l	100
37) Ethyl Acetate	6.87	43	115786	46.013	ug/l	99
38) Carbon Tetrachloride	7.73	117	144044	48.990	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	135192	49.704	ug/l	99
40) Benzene	8.00	78	417579	48.716	ug/l	100
41) Methacrylonitrile	7.12	41	58350	44.627	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	138061	47.501	ug/l	98
43) Isopropyl Acetate	8.12	43	195301	46.691	ug/l	99
44) Trichloroethene	8.80	130	120051	50.144	ug/l	98
45) 1,2-Dichloropropane	9.08	63	114551	49.402	ug/l	98
46) Dibromomethane	9.17	93	72770	48.445	ug/l	99
47) Bromodichloromethane	9.37	83	150789	49.008	ug/l	100
48) Methyl methacrylate	9.16	41	97613	49.159	ug/l	99
49) 1,4-Dioxane	9.16	88	33047	921.751	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	591024	236.343	ug/l	100
52) Toluene	10.12	92	265027	49.340	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	164257	50.092	ug/l	97
54) cis-1,3-Dichloropropene	9.80	75	179163	48.849	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	107954	48.540	ug/l	99
56) Ethyl methacrylate	10.40	69	146130	49.755	ug/l	97
57) 1,3-Dichloropropane	10.67	76	179486	49.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	329122	210.293	ug/l	100
59) 2-Hexanone	10.72	43	429352	238.320	ug/l	100
60) Dibromochloromethane	10.87	129	125292	49.514	ug/l	99
61) 1,2-Dibromoethane	10.97	107	108389	48.688	ug/l	99
64) Tetrachloroethene	10.60	164	123852	49.205	ug/l	98
65) Chlorobenzene	11.40	112	299708	49.397	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	113457	48.648	ug/l	98
67) Ethyl Benzene	11.48	91	502698	49.658	ug/l	99
68) m/p-Xylenes	11.59	106	398908	101.678	ug/l	100
69) o-Xylene	11.92	106	188597	50.370	ug/l	99
70) Styrene	11.93	104	326499	51.558	ug/l	99
71) Bromoform	12.10	173	82308	46.463	ug/l #	99
73) Isopropylbenzene	12.22	105	500797	49.980	ug/l	99
74) N-amyl acetate	12.04	43	171818	47.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	134942	44.341	ug/l	99
76) 1,2,3-Trichloropropane	12.52	75	140911m	48.008	ug/l	
77) Bromobenzene	12.50	156	128008	48.041	ug/l	100
78) n-propylbenzene	12.56	91	566521	50.124	ug/l	99
79) 2-Chlorotoluene	12.65	91	337528	48.826	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	421284	49.964	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	50063	48.547	ug/l	99
82) 4-Chlorotoluene	12.75	91	359016	49.275	ug/l	100
83) tert-Butylbenzene	12.96	119	346287	49.758	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	427573	50.228	ug/l	100
85) sec-Butylbenzene	13.14	105	453544	50.010	ug/l	100
86) p-Isopropyltoluene	13.26	119	422592	50.569	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	231627	48.917	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	233698	48.674	ug/l	97
89) n-Butylbenzene	13.59	91	349127	50.838	ug/l	100
90) Hexachloroethane	13.85	117	73883	48.775	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	222617	47.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	26534	44.467	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	119619	47.747	ug/l	100
94) Hexachlorobutadiene	14.98	225	61252	47.071	ug/l	99
95) Naphthalene	15.10	128	339231	45.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	109749	46.574	ug/l	99

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

