

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064113.D
 Acq On : 14 Oct 2020 14:42
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:20 PM

Quant Time: Oct 14 19:08:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 15:55:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	310005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	540813	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	502733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	194732	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	27599	5.57	ug/l	0.00
Spiked Amount			Recovery	=	11.14%	
35) Dibromofluoromethane	7.55	113	22703	6.09	ug/l	0.00
Spiked Amount			Recovery	=	12.18%	
50) Toluene-d8	10.06	98	78353	5.52	ug/l	0.00
Spiked Amount			Recovery	=	11.04%	
62) 4-Bromofluorobenzene	12.38	95	25916	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	14849	4.563	ug/l	96
3) Chloromethane	2.04	50	20017	5.215	ug/l	95
4) Vinyl Chloride	2.16	62	22750	5.720	ug/l	93
5) Bromomethane	2.53	94	18250	6.924	ug/l	97
6) Chloroethane	2.67	64	19630	7.860	ug/l #	86
7) Trichlorofluoromethane	2.98	101	34222	5.574	ug/l	97
8) Diethyl Ether	3.38	74	9519	4.657	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.71	101	16745	5.157	ug/l	98
10) Methyl Iodide	3.91	142	19984	5.153	ug/l	98
11) Tert butyl alcohol	4.74	59	13594	24.866	ug/l #	90
12) 1,1-Dichloroethene	3.70	96	16954	5.417	ug/l	88
13) Acrolein	3.57	56	11452	32.097	ug/l	91
14) Allyl chloride	4.28	41	23728	4.205	ug/l	97
15) Acrylonitrile	4.94	53	34064	21.521	ug/l	97
16) Acetone	3.78	43	31919	20.866	ug/l	96
17) Carbon Disulfide	4.02	76	47853	5.212	ug/l	100
18) Methyl Acetate	4.29	43	16016	4.039	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	45023	4.077	ug/l #	89
20) Methylene Chloride	4.51	84	21961	5.590	ug/l	91
21) trans-1,2-Dichloroethene	4.99	96	18467	5.234	ug/l	91
22) Diisopropyl ether	5.90	45	45867	3.961	ug/l #	68
23) Vinyl Acetate	5.85	43	201436	20.787	ug/l	99
24) 1,1-Dichloroethane	5.80	63	34146	5.036	ug/l	94
25) 2-Butanone	6.79	43	49946	22.806	ug/l	93
26) 2,2-Dichloropropane	6.78	77	28432	4.656	ug/l	80
27) cis-1,2-Dichloroethene	6.79	96	20890	5.156	ug/l	96
28) Bromochloromethane	7.15	49	16834	5.105	ug/l #	99
29) Tetrahydrofuran	7.17	42	28557	19.718	ug/l	95
30) Chloroform	7.33	83	37475	5.268	ug/l	94
31) Cyclohexane	7.62	56	29337	5.085	ug/l #	82
32) 1,1,1-Trichloroethane	7.53	97	33077	5.196	ug/l	99
36) 1,1-Dichloropropene	7.75	75	24301	4.443	ug/l	94
37) Ethyl Acetate	6.88	43	19970	3.726	ug/l #	91
38) Carbon Tetrachloride	7.73	117	29380	4.821	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	20164	3.789	ug/l	92
40) Benzene	8.00	78	78288	4.961	ug/l	99
41) Methacrylonitrile	7.13	41	8575	3.689	ug/l #	52
42) 1,2-Dichloroethane	8.09	62	28344	4.322	ug/l	95
43) Isopropyl Acetate	8.13	43	36332	4.161	ug/l	96
44) Trichloroethene	8.80	130	21703	5.232	ug/l	100
45) 1,2-Dichloropropane	9.08	63	22161	5.250	ug/l	98
46) Dibromomethane	9.18	93	14243	4.865	ug/l	99
47) Bromodichloromethane	9.37	83	28246	4.714	ug/l	93
48) Methyl methacrylate	9.17	41	14808	3.427	ug/l	92
49) 1,4-Dioxane	9.17	88	5232	85.146	ug/l #	84
51) 4-Methyl-2-Pentanone	9.95	43	106092	20.630	ug/l	100
52) Toluene	10.12	92	47593	4.876	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	27745	4.347	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	30571	4.566	ug/l	91
55) 1,1,2-Trichloroethane	10.53	97	20563	5.266	ug/l	98
56) Ethyl methacrylate	10.40	69	21950	4.013	ug/l	99
57) 1,3-Dichloropropane	10.68	76	32339	4.917	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	56331	19.360	ug/l	98
59) 2-Hexanone	10.72	43	73055	19.180	ug/l	91
60) Dibromochloromethane	10.87	129	21911	4.806	ug/l	97
61) 1,2-Dibromoethane	10.98	107	19916	4.967	ug/l	97
64) Tetrachloroethene	10.60	164	19462	4.944	ug/l	98
65) Chlorobenzene	11.41	112	52192	5.002	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	20236	5.080	ug/l	97
67) Ethyl Benzene	11.49	91	83465	4.454	ug/l	100
68) m/p-Xylenes	11.60	106	60583	8.622	ug/l	99
69) o-Xylene	11.92	106	28895	4.398	ug/l	100
70) Styrene	11.94	104	44005	3.956	ug/l	95
71) Bromoform	12.10	173	13232	4.354	ug/l #	97
73) Isopropylbenzene	12.22	105	73611	5.176	ug/l	100
74) N-amyl acetate	12.05	43	23388	4.075	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	27414	6.254	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	24832m	5.779	ug/l	
77) Bromobenzene	12.50	156	21625	6.098	ug/l	94
78) n-propylbenzene	12.57	91	79956	4.837	ug/l	97
79) 2-Chlorotoluene	12.65	91	53600	5.259	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	56253	4.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	7276	4.909	ug/l	95
82) 4-Chlorotoluene	12.75	91	52313	4.965	ug/l	98
83) tert-Butylbenzene	12.97	119	47896	4.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	54494	4.597	ug/l	99
85) sec-Butylbenzene	13.15	105	59873	4.683	ug/l	99
86) p-Isopropyltoluene	13.26	119	50042	4.430	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	31792	4.994	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	32872	4.955	ug/l	93
89) n-Butylbenzene	13.59	91	40964	3.985	ug/l	96
90) Hexachloroethane	13.85	117	10922	5.082	ug/l	89
91) 1,2-Dichlorobenzene	13.63	146	32138	5.069	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	4968	4.965	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	9743	2.879	ug/l	97
94) Hexachlorobutadiene	14.98	225	7829	3.999	ug/l	97
95) Naphthalene	15.11	128	27312	2.650	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	10024	2.939	ug/l	97

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

