

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060262.D
 Acq On : 27 Feb 2020 10:43
 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
 2/28/2020 12:31:09 PM

Quant Time: Feb 27 12:24:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	349272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	13990	5.36	ug/l	0.00
Spiked Amount			Recovery	=	10.72%	
35) Dibromofluoromethane	7.56	113	9444	4.67	ug/l	0.00
Spiked Amount			Recovery	=	9.34%	
50) Toluene-d8	10.08	98	42361	5.10	ug/l	0.00
Spiked Amount			Recovery	=	10.20%	
62) 4-Bromofluorobenzene	12.40	95	15601	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	11042	5.269	ug/l	98
3) Chloromethane	2.04	50	19964	7.499	ug/l	99
4) Vinyl Chloride	2.16	62	16962	5.881	ug/l	98
5) Bromomethane	2.54	94	8517	5.075	ug/l	100
6) Chloroethane	2.68	64	9357	6.303	ug/l	97
7) Trichlorofluoromethane	3.00	101	21364	5.716	ug/l	97
8) Diethyl Ether	3.38	74	8502	6.704	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	12185	5.847	ug/l	98
10) Methyl Iodide	3.93	142	9868	4.114	ug/l	99
11) Tert butyl alcohol	4.73	59	11192	28.506	ug/l #	94
12) 1,1-Dichloroethene	3.72	96	12683	6.221	ug/l	98
13) Acrolein	3.58	56	7540	19.371	ug/l	100
14) Allyl chloride	4.29	41	22602	7.198	ug/l	98
15) Acrylonitrile	4.95	53	28506	29.372	ug/l	98
16) Acetone	3.78	43	22934	21.221	ug/l	99
17) Carbon Disulfide	4.03	76	36750	6.086	ug/l	100
18) Methyl Acetate	4.29	43	17870	8.012	ug/l #	76
19) Methyl tert-butyl Ether	5.00	73	41999	6.081	ug/l	98
20) Methylene Chloride	4.52	84	13676	5.990	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	14359	6.499	ug/l	95
22) Diisopropyl ether	5.91	45	43510	6.476	ug/l	95
23) Vinyl Acetate	5.86	43	166658	29.836	ug/l	99
24) 1,1-Dichloroethane	5.82	63	25033	6.235	ug/l	98
25) 2-Butanone	6.80	43	38947	27.527	ug/l	99
26) 2,2-Dichloropropane	6.80	77	22455	5.947	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	16186	6.243	ug/l	92
28) Bromochloromethane	7.17	49	10280	6.544	ug/l #	94
29) Tetrahydrofuran	7.18	42	28231	31.608	ug/l	99
30) Chloroform	7.35	83	24444	5.877	ug/l	99
31) Cyclohexane	7.63	56	27289	7.322	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	21944	5.806	ug/l	99
36) 1,1-Dichloropropene	7.77	75	19012	5.898	ug/l	99
37) Ethyl Acetate	6.89	43	16949	5.725	ug/l	98
38) Carbon Tetrachloride	7.75	117	18288	5.273	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	22496	5.649	ug/l	100
40) Benzene	8.02	78	54953	5.725	ug/l	98
41) Methacrylonitrile	7.15	41	7799m	6.213	ug/l	
42) 1,2-Dichloroethane	8.10	62	19781	5.859	ug/l	98
43) Isopropyl Acetate	8.14	43	30542	6.014	ug/l	99
44) Trichloroethene	8.82	130	15254	5.755	ug/l	99
45) 1,2-Dichloropropane	9.10	63	14496	6.047	ug/l	100
46) Dibromomethane	9.19	93	9224	5.530	ug/l	97
47) Bromodichloromethane	9.39	83	17908	5.266	ug/l	98
48) Methyl methacrylate	9.18	41	12966	5.695	ug/l	99
49) 1,4-Dioxane	9.18	88	4174	113.178	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	84928	29.035	ug/l	100
52) Toluene	10.14	92	33957	5.542	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	22703	5.881	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	23570	5.793	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	13619	5.695	ug/l	97
56) Ethyl methacrylate	10.42	69	17905	5.251	ug/l	92
57) 1,3-Dichloropropane	10.70	76	21858	5.507	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	53193	32.973	ug/l	99
59) 2-Hexanone	10.74	43	61451	27.619	ug/l	99
60) Dibromochloromethane	10.89	129	13177	4.870	ug/l	96
61) 1,2-Dibromoethane	11.00	107	13234	5.320	ug/l	97
64) Tetrachloroethene	10.62	164	16988	6.912	ug/l	95
65) Chlorobenzene	11.43	112	35531	5.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	12923	5.312	ug/l	99
67) Ethyl Benzene	11.50	91	64818	5.557	ug/l	98
68) m/p-Xylenes	11.62	106	48858	11.188	ug/l	100
69) o-Xylene	11.94	106	23764	5.653	ug/l	97
70) Styrene	11.96	104	36023	5.306	ug/l	99
71) Bromoform	12.12	173	8608	4.456	ug/l #	96
73) Isopropylbenzene	12.25	105	63421	5.684	ug/l	99
74) N-amyl acetate	12.06	43	26077	6.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	16502	5.199	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	19141m	6.666	ug/l	
77) Bromobenzene	12.52	156	14989	5.441	ug/l	98
78) n-propylbenzene	12.59	91	73582	5.767	ug/l	100
79) 2-Chlorotoluene	12.67	91	43459	5.795	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	52104	5.609	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	6355	5.419	ug/l #	59
82) 4-Chlorotoluene	12.77	91	44452	5.777	ug/l	99
83) tert-Butylbenzene	12.99	119	45424	5.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	52668	5.744	ug/l	99
85) sec-Butylbenzene	13.17	105	60790	5.594	ug/l	99
86) p-Isopropyltoluene	13.28	119	54041	5.486	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	27328	5.588	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	26928	5.512	ug/l	94
89) n-Butylbenzene	13.61	91	48660	5.591	ug/l	98
90) Hexachloroethane	13.87	117	7287	4.088	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	25830	5.405	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3498	4.741	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	17116	6.040	ug/l	97
94) Hexachlorobutadiene	15.01	225	8436	5.195	ug/l	98
95) Naphthalene	15.13	128	50660	6.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	16335	5.813	ug/l	98

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

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