

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062399.D
 Acq On : 8 Jul 2020 10:38
 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
 7/9/2020 10:54:10 AM

Quant Time: Jul 08 11:59:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	343949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	309848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	126186	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	16430	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	
35) Dibromofluoromethane	7.55	113	11346	4.93	ug/l	0.00
Spiked Amount			Recovery	=	9.86%	
50) Toluene-d8	10.06	98	43666	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.38	95	15187	4.62	ug/l	0.00
Spiked Amount			Recovery	=	9.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	10911	4.959	ug/l	94
3) Chloromethane	2.04	50	17541	5.297	ug/l	98
4) Vinyl Chloride	2.16	62	14408	5.115	ug/l	98
5) Bromomethane	2.52	94	7834	5.381	ug/l	95
6) Chloroethane	2.66	64	8522	5.190	ug/l #	85
7) Trichlorofluoromethane	2.98	101	17640	4.624	ug/l	98
8) Diethyl Ether	3.38	74	7723	5.081	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	10745	4.948	ug/l	98
10) Methyl Iodide	3.91	142	11705	4.441	ug/l	98
11) Tert butyl alcohol	4.74	59	14159	28.917	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	11150	5.477	ug/l	94
13) Acrolein	3.57	56	10362	41.193	ug/l	96
14) Allyl chloride	4.28	41	25408	5.172	ug/l	98
15) Acrylonitrile	4.94	53	35053	26.926	ug/l	99
16) Acetone	3.78	43	33124	20.858	ug/l	99
17) Carbon Disulfide	4.01	76	34532	5.354	ug/l	99
18) Methyl Acetate	4.28	43	16371	4.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	39141	5.066	ug/l	97
20) Methylene Chloride	4.50	84	14685	5.033	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	11891	5.282	ug/l	97
22) Diisopropyl ether	5.90	45	49547	5.058	ug/l #	87
23) Vinyl Acetate	5.85	43	202469	26.615	ug/l	98
24) 1,1-Dichloroethane	5.80	63	26246	5.359	ug/l	98
25) 2-Butanone	6.79	43	48794	23.978	ug/l	98
26) 2,2-Dichloropropane	6.77	77	19690	4.947	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	13647	5.309	ug/l	99
28) Bromochloromethane	7.15	49	13621	5.061	ug/l #	97
29) Tetrahydrofuran	7.17	42	32867	25.302	ug/l	99
30) Chloroform	7.33	83	23409	4.949	ug/l	99
31) Cyclohexane	7.62	56	27615	6.083	ug/l #	79
32) 1,1,1-Trichloroethane	7.53	97	19331	4.883	ug/l	98
36) 1,1-Dichloropropene	7.75	75	17876	4.909	ug/l	98
37) Ethyl Acetate	6.89	43	20034	4.727	ug/l	98
38) Carbon Tetrachloride	7.73	117	16435	4.573	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	18961	4.837	ug/l	94
40) Benzene	8.00	78	55077	5.317	ug/l	100
41) Methacrylonitrile	7.12	41	7476	3.541	ug/l	91
42) 1,2-Dichloroethane	8.09	62	19878	4.468	ug/l	98
43) Isopropyl Acetate	8.13	43	32487	4.589	ug/l	97
44) Trichloroethene	8.80	130	12020	4.889	ug/l	96
45) 1,2-Dichloropropane	9.09	63	15806	5.203	ug/l	96
46) Dibromomethane	9.18	93	9005	4.856	ug/l	96
47) Bromodichloromethane	9.37	83	18301	4.627	ug/l	100
48) Methyl methacrylate	9.17	41	15951	4.433	ug/l	97
49) 1,4-Dioxane	9.17	88	4806	97.207	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	97037	25.415	ug/l	100
52) Toluene	10.13	92	30722	5.004	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	19759	4.640	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	21628	4.718	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	12138	4.905	ug/l	96
56) Ethyl methacrylate	10.40	69	18378	4.600	ug/l	92
57) 1,3-Dichloropropane	10.68	76	22392	4.890	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	30099	21.290	ug/l	98
59) 2-Hexanone	10.72	43	67877	23.676	ug/l	99
60) Dibromochloromethane	10.87	129	12769	4.580	ug/l	94
61) 1,2-Dibromoethane	10.98	107	12039	4.761	ug/l	97
64) Tetrachloroethene	10.60	164	10069	5.040	ug/l	97
65) Chlorobenzene	11.41	112	31353	4.912	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	11786	4.921	ug/l	97
67) Ethyl Benzene	11.48	91	57882	5.125	ug/l	98
68) m/p-Xylenes	11.59	106	40590	9.831	ug/l	98
69) o-Xylene	11.92	106	19741	4.847	ug/l	99
70) Styrene	11.94	104	31367	4.660	ug/l	99
71) Bromoform	12.10	173	8121	4.347	ug/l #	96
73) Isopropylbenzene	12.22	105	52522	5.548	ug/l	97
74) N-amyl acetate	12.05	43	24437	4.873	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	18588	5.605	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	17172m	5.630	ug/l	
77) Bromobenzene	12.50	156	11903	5.335	ug/l	99
78) n-propylbenzene	12.57	91	59397	5.496	ug/l	99
79) 2-Chlorotoluene	12.65	91	37237	5.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	42928	5.414	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	5742	5.236	ug/l	94
82) 4-Chlorotoluene	12.75	91	36222	5.167	ug/l	98
83) tert-Butylbenzene	12.97	119	36294	5.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	42044	5.357	ug/l	98
85) sec-Butylbenzene	13.15	105	48074	5.572	ug/l	99
86) p-Isopropyltoluene	13.27	119	39828	5.126	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	20592	5.152	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	20362	4.932	ug/l	94
89) n-Butylbenzene	13.59	91	33212	4.959	ug/l	98
90) Hexachloroethane	13.85	117	8038	4.880	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	19730	5.152	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3281	5.120	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	6848	3.820	ug/l	97
94) Hexachlorobutadiene	14.99	225	5309	4.732	ug/l	98
95) Naphthalene	15.10	128	19169	4.034	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	7333	3.987	ug/l	100

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

