

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060563.D
 Acq On : 17 Mar 2020 18:27
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:36 PM

Quant Time: Mar 18 08:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	218498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	332624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148522	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	14592	5.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.16%	
35) Dibromofluoromethane	7.57	113	10563	5.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.60%	
50) Toluene-d8	10.08	98	43374	4.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.80%	
62) 4-Bromofluorobenzene	12.40	95	15958	4.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	9579	4.685	ug/l	100
3) Chloromethane	2.03	50	19726	5.486	ug/l	97
4) Vinyl Chloride	2.16	62	15065	4.966	ug/l	97
5) Bromomethane	2.54	94	6518	4.859	ug/l	97
6) Chloroethane	2.68	64	8888	5.313	ug/l	96
7) Trichlorofluoromethane	3.00	101	18993	4.932	ug/l	96
8) Diethyl Ether	3.38	74	7610	5.179	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	11093	5.075	ug/l	99
10) Methyl Iodide	3.93	142	8520	4.324	ug/l	98
11) Tert butyl alcohol	4.74	59	10966	26.137	ug/l #	93
12) 1,1-Dichloroethene	3.71	96	11723	5.014	ug/l	96
13) Acrolein	3.58	56	11637	28.842	ug/l	98
14) Allyl chloride	4.30	41	21282	5.450	ug/l	95
15) Acrylonitrile	4.95	53	31650	28.013	ug/l	98
16) Acetone	3.78	43	26290	28.141	ug/l	100
17) Carbon Disulfide	4.03	76	35356	5.221	ug/l	99
18) Methyl Acetate	4.29	43	14632	4.780	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	41541	5.375	ug/l	99
20) Methylene Chloride	4.52	84	13502	5.329	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	12784	4.832	ug/l	97
22) Diisopropyl ether	5.92	45	43375	5.387	ug/l	98
23) Vinyl Acetate	5.86	43	176336	27.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	24137	5.337	ug/l	99
25) 2-Butanone	6.80	43	41868	27.754	ug/l	98
26) 2,2-Dichloropropane	6.80	77	19659	4.900	ug/l	80
27) cis-1,2-Dichloroethene	6.80	96	14335	4.911	ug/l	98
28) Bromochloromethane	7.17	49	11107	5.747	ug/l #	98
29) Tetrahydrofuran	7.18	42	29977	28.488	ug/l	99
30) Chloroform	7.35	83	23537	5.265	ug/l	98
31) Cyclohexane	7.63	56	27265	6.364	ug/l #	79
32) 1,1,1-Trichloroethane	7.55	97	19687	4.978	ug/l	98
36) 1,1-Dichloropropene	7.77	75	17450	4.897	ug/l	98
37) Ethyl Acetate	6.90	43	17715	5.218	ug/l	98
38) Carbon Tetrachloride	7.75	117	15516	4.557	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	20675	4.925	ug/l	96
40) Benzene	8.02	78	53545	5.172	ug/l	99
41) Methacrylonitrile	7.15	41	9180	5.943	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	18444	4.993	ug/l	98
43) Isopropyl Acetate	8.14	43	31200	5.279	ug/l	99
44) Trichloroethene	8.82	130	13612	4.775	ug/l	96
45) 1,2-Dichloropropane	9.10	63	13767	5.093	ug/l	99
46) Dibromomethane	9.19	93	8496	4.883	ug/l	98
47) Bromodichloromethane	9.39	83	17783	5.028	ug/l	97
48) Methyl methacrylate	9.18	41	13110	4.871	ug/l	97
49) 1,4-Dioxane	9.18	88	3428	91.864	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	87450	26.045	ug/l	100
52) Toluene	10.14	92	32077	4.960	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	19893	4.597	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	22268	4.952	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	12222	4.724	ug/l	98
56) Ethyl methacrylate	10.42	69	17709	4.721	ug/l	98
57) 1,3-Dichloropropane	10.70	76	22095	5.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	46488	23.796	ug/l	99
59) 2-Hexanone	10.74	43	62487	25.374	ug/l	98
60) Dibromochloromethane	10.89	129	12155	4.622	ug/l	97
61) 1,2-Dibromoethane	11.00	107	12302	4.864	ug/l	100
64) Tetrachloroethene	10.62	164	13856	4.709	ug/l	99
65) Chlorobenzene	11.43	112	32693	4.848	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	11979	4.835	ug/l	99
67) Ethyl Benzene	11.50	91	61226	4.963	ug/l	100
68) m/p-Xylenes	11.62	106	45208	9.717	ug/l	99
69) o-Xylene	11.94	106	21971	4.956	ug/l	98
70) Styrene	11.96	104	32923	4.521	ug/l	99
71) Bromoform	12.12	173	8349	4.646	ug/l #	97
73) Isopropylbenzene	12.25	105	57439	5.171	ug/l	99
74) N-amyl acetate	12.07	43	24081	4.906	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	17089	5.576	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	18255m	5.623	ug/l	
77) Bromobenzene	12.52	156	13847	5.103	ug/l	97
78) n-propylbenzene	12.59	91	67112	5.142	ug/l	100
79) 2-Chlorotoluene	12.67	91	40738	5.300	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	48603	5.195	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	5868	4.914	ug/l	99
82) 4-Chlorotoluene	12.77	91	41002	5.071	ug/l	100
83) tert-Butylbenzene	12.99	119	41107	5.110	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	47320	5.020	ug/l	98
85) sec-Butylbenzene	13.17	105	54119	5.013	ug/l	100
86) p-Isopropyltoluene	13.28	119	47813	4.796	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	23595	4.648	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23719	4.683	ug/l	94
89) n-Butylbenzene	13.61	91	41764	4.566	ug/l	99
90) Hexachloroethane	13.87	117	6692	4.644	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	23109	4.868	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3579	5.226	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	13000	3.891	ug/l	99
94) Hexachlorobutadiene	15.01	225	6959	4.387	ug/l	99
95) Naphthalene	15.13	128	37527	3.891	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	12722	4.046	ug/l	97

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

