

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062566.D
 Acq On : 21 Jul 2020 11:57
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:34 PM

Quant Time: Jul 21 13:30:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 13:13:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	217815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	363758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	337624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138993	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	17735	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
35) Dibromofluoromethane	7.54	113	12094	5.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.70%	
50) Toluene-d8	10.06	98	47421	5.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.62%	
62) 4-Bromofluorobenzene	12.38	95	15823	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	13730	6.110	ug/l	99
3) Chloromethane	2.04	50	17926	5.084	ug/l	100
4) Vinyl Chloride	2.16	62	16212	5.554	ug/l	96
5) Bromomethane	2.52	94	7352	4.879	ug/l	94
6) Chloroethane	2.66	64	7478	4.570	ug/l	98
7) Trichlorofluoromethane	2.98	101	18932	5.149	ug/l	95
8) Diethyl Ether	3.37	74	8699	5.265	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.71	101	12941	5.908	ug/l	96
10) Methyl Iodide	3.91	142	12340m	4.290	ug/l	
11) Tert butyl alcohol	4.73	59	14088	25.639	ug/l #	88
12) 1,1-Dichloroethene	3.70	96	12585	5.630	ug/l	95
13) Acrolein	3.57	56	9689	22.249	ug/l	100
14) Allyl chloride	4.27	41	25693	4.947	ug/l	97
15) Acrylonitrile	4.93	53	35999	24.920	ug/l	99
16) Acetone	3.78	43	32770	23.440	ug/l	93
17) Carbon Disulfide	4.01	76	40678	5.772	ug/l	100
18) Methyl Acetate	4.29	43	16425	4.712	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	43392	5.123	ug/l	99
20) Methylene Chloride	4.50	84	16622	5.464	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	13795	5.698	ug/l	98
22) Diisopropyl ether	5.91	45	51481	5.016	ug/l #	88
23) Vinyl Acetate	5.84	43	205459	24.166	ug/l	99
24) 1,1-Dichloroethane	5.79	63	28479	5.337	ug/l	97
25) 2-Butanone	6.79	43	48032	23.498	ug/l	98
26) 2,2-Dichloropropane	6.78	77	23319	5.638	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	15644	5.575	ug/l	99
28) Bromochloromethane	7.15	49	14395	5.001	ug/l	98
29) Tetrahydrofuran	7.17	42	32931	23.877	ug/l	99
30) Chloroform	7.33	83	27586	5.691	ug/l	100
31) Cyclohexane	7.62	56	27667	5.493	ug/l #	74
32) 1,1,1-Trichloroethane	7.53	97	22798	5.639	ug/l	98
36) 1,1-Dichloropropene	7.75	75	20137	5.499	ug/l	97
37) Ethyl Acetate	6.89	43	20914	4.912	ug/l	98
38) Carbon Tetrachloride	7.73	117	19598	5.858	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	20440	5.232	ug/l	97
40) Benzene	8.00	78	61139	5.631	ug/l	99
41) Methacrylonitrile	7.13	41	8887	5.092	ug/l #	86
42) 1,2-Dichloroethane	8.09	62	22977	5.780	ug/l	98
43) Isopropyl Acetate	8.13	43	33616	4.996	ug/l	99
44) Trichloroethene	8.80	130	13878	5.740	ug/l	98
45) 1,2-Dichloropropane	9.08	63	17449	5.569	ug/l	98
46) Dibromomethane	9.17	93	10068	5.657	ug/l	99
47) Bromodichloromethane	9.37	83	21005	5.534	ug/l #	98
48) Methyl methacrylate	9.17	41	15145	4.610	ug/l	96
49) 1,4-Dioxane	9.17	88	4869	100.641	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	99120	24.706	ug/l	97
52) Toluene	10.12	92	34027	5.399	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	22504	5.277	ug/l	94
54) cis-1,3-Dichloropropene	9.81	75	24147	5.143	ug/l	96
55) 1,1,2-Trichloroethane	10.54	97	14031	5.703	ug/l	96
56) Ethyl methacrylate	10.40	69	19274	4.703	ug/l	94
57) 1,3-Dichloropropane	10.68	76	23973	5.269	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.66	63	25600	18.121	ug/l	100
59) 2-Hexanone	10.72	43	67952	23.308	ug/l	96
60) Dibromochloromethane	10.87	129	15227	5.654	ug/l	97
61) 1,2-Dibromoethane	10.98	107	14015	5.599	ug/l	97
64) Tetrachloroethene	10.60	164	11523	5.715	ug/l	95
65) Chlorobenzene	11.41	112	36701	5.575	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	13190	5.435	ug/l	98
67) Ethyl Benzene	11.48	91	64770	5.262	ug/l	98
68) m/p-Xylenes	11.60	106	45275	10.345	ug/l	99
69) o-Xylene	11.92	106	21960	5.166	ug/l	100
70) Styrene	11.94	104	35598	5.062	ug/l	98
71) Bromoform	12.10	173	10323	5.780	ug/l #	94
73) Isopropylbenzene	12.22	105	59235	5.520	ug/l	97
74) N-amyl acetate	12.05	43	22637	4.389	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	21435	5.945	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	18960m	5.510	ug/l	
77) Bromobenzene	12.50	156	14635	5.974	ug/l	93
78) n-propylbenzene	12.57	91	65184	5.211	ug/l	98
79) 2-Chlorotoluene	12.65	91	42912	5.635	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	47846	5.412	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	6231	4.927	ug/l	98
82) 4-Chlorotoluene	12.75	91	47845	6.182	ug/l	94
83) tert-Butylbenzene	12.97	119	38178	5.108	ug/l	94
84) 1,2,4-Trimethylbenzene	13.01	105	44880	5.123	ug/l	100
85) sec-Butylbenzene	13.15	105	51886	5.249	ug/l	99
86) p-Isopropyltoluene	13.26	119	42624	4.997	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	24201	5.729	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	23682	5.458	ug/l	92
89) n-Butylbenzene	13.59	91	33998	4.535	ug/l	100
90) Hexachloroethane	13.85	117	9982	5.932	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	23479	5.738	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3244	4.942	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	7785	4.239	ug/l	98
94) Hexachlorobutadiene	14.98	225	6557	5.977	ug/l	92
95) Naphthalene	15.10	128	18675	3.631	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	8401	4.396	ug/l	97

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

