

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062363.D
 Acq On : 6 Jul 2020 12:50
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:21 AM

Quant Time: Jul 07 04:47:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 04:35:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	1023023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1730941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1568968	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	678237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	99649	6.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.88%	
35) Dibromofluoromethane	7.55	113	56205	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
50) Toluene-d8	10.06	98	216557	4.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.52%	
62) 4-Bromofluorobenzene	12.38	95	77290	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55972	4.801	ug/l	93
3) Chloromethane	2.04	50	88448	5.662	ug/l	98
4) Vinyl Chloride	2.16	62	74305	4.191	ug/l	98
5) Bromomethane	2.52	94	38714	3.487	ug/l	98
6) Chloroethane	2.66	64	47813	4.039	ug/l	98
7) Trichlorofluoromethane	2.98	101	111004	4.907	ug/l	89
8) Diethyl Ether	3.37	74	38397	4.875	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	57447	4.900	ug/l	97
10) Methyl Iodide	3.91	142	60007	4.485	ug/l	99
11) Tert butyl alcohol	4.74	59	63485	28.862	ug/l #	87
12) 1,1-Dichloroethene	3.70	96	52543	4.516	ug/l	95
13) Acrolein	3.57	56	37910	20.532	ug/l #	79
14) Allyl chloride	4.27	41	126694	7.160	ug/l	98
15) Acrylonitrile	4.93	53	163764	27.839	ug/l	98
16) Acetone	3.78	43	210991	36.884	ug/l	93
17) Carbon Disulfide	4.01	76	170594	4.591	ug/l	95
18) Methyl Acetate	4.28	43	88243	6.999	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	197147m	5.145	ug/l	
20) Methylene Chloride	4.50	84	77191	5.349	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	57569	4.363	ug/l	93
22) Diisopropyl ether	5.90	45	252231	6.396	ug/l	93
23) Vinyl Acetate	5.84	43	1069080	33.304	ug/l	98
24) 1,1-Dichloroethane	5.80	63	131995	5.488	ug/l	95
25) 2-Butanone	6.79	43	258190	33.391	ug/l	98
26) 2,2-Dichloropropane	6.77	77	99733	5.017	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	63207	4.236	ug/l	96
28) Bromochloromethane	7.15	49	67851	6.132	ug/l	98
29) Tetrahydrofuran	7.17	42	161977	32.066	ug/l	97
30) Chloroform	7.33	83	131597	5.446	ug/l	92
31) Cyclohexane	7.62	56	141330	6.843	ug/l #	76
32) 1,1,1-Trichloroethane	7.53	97	100835	4.950	ug/l	97
36) 1,1-Dichloropropene	7.75	75	90254	5.117	ug/l	99
37) Ethyl Acetate	6.89	43	106457	6.703	ug/l #	96
38) Carbon Tetrachloride	7.73	117	90650	5.390	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	96448	5.017	ug/l	96
40) Benzene	8.00	78	263651	4.950	ug/l	96
41) Methacrylonitrile	7.13	41	44954	6.238	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	116207	6.183	ug/l	99
43) Isopropyl Acetate	8.13	43	172100	6.632	ug/l	98
44) Trichloroethene	8.80	130	62442	4.694	ug/l	98
45) 1,2-Dichloropropane	9.08	63	75955	5.622	ug/l	97
46) Dibromomethane	9.17	93	47463	5.279	ug/l	97
47) Bromodichloromethane	9.37	83	102491	5.598	ug/l	98
48) Methyl methacrylate	9.17	41	89921	7.542	ug/l	94
49) 1,4-Dioxane	9.17	88	24671	105.075	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	522509	34.769	ug/l	96
52) Toluene	10.12	92	156654	4.857	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	102736	5.085	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	113599	5.317	ug/l	94
55) 1,1,2-Trichloroethane	10.54	97	64395	5.080	ug/l	94
56) Ethyl methacrylate	10.40	69	94341	5.376	ug/l	97
57) 1,3-Dichloropropane	10.68	76	119990	5.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	162160	24.588	ug/l	99
59) 2-Hexanone	10.72	43	375493	34.235	ug/l	98
60) Dibromochloromethane	10.87	129	67292	4.937	ug/l	97
61) 1,2-Dibromoethane	10.98	107	62265	4.772	ug/l	98
64) Tetrachloroethene	10.60	164	50320	4.729	ug/l	94
65) Chlorobenzene	11.40	112	170851	4.977	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	59686	4.981	ug/l	93
67) Ethyl Benzene	11.48	91	293006	5.013	ug/l	100
68) m/p-Xylenes	11.60	106	208680	9.327	ug/l	94
69) o-Xylene	11.92	106	100494	4.763	ug/l	98
70) Styrene	11.94	104	158100	4.484	ug/l	97
71) Bromoform	12.10	173	47893	5.540	ug/l #	98
73) Isopropylbenzene	12.22	105	277418	5.298	ug/l	100
74) N-amyl acetate	12.05	43	129105	6.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	94211	5.365	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	96002m	6.003	ug/l	
77) Bromobenzene	12.50	156	60455	4.678	ug/l	97
78) n-propylbenzene	12.57	91	308802	5.140	ug/l	99
79) 2-Chlorotoluene	12.65	91	190199	5.210	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	223517	5.237	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	26613	4.812	ug/l	97
82) 4-Chlorotoluene	12.75	91	194982	5.165	ug/l	99
83) tert-Butylbenzene	12.97	119	188174	5.181	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	220362	5.182	ug/l	97
85) sec-Butylbenzene	13.15	105	242822	5.034	ug/l	99
86) p-Isopropyltoluene	13.26	119	216127	5.126	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	112630	4.948	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	113341	4.825	ug/l	95
89) n-Butylbenzene	13.59	91	177880	5.037	ug/l	97
90) Hexachloroethane	13.85	117	42641	5.081	ug/l	89
91) 1,2-Dichlorobenzene	13.63	146	108376	4.908	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18638	6.409	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	40973	4.201	ug/l	98
94) Hexachlorobutadiene	14.98	225	31327	6.993	ug/l	99
95) Naphthalene	15.10	128	102464	3.662	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	40350	4.057	ug/l	94

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

