

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080520\
 Data File : VN062755.D
 Acq On : 5 Aug 2020 11:51
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:51:44 PM

Quant Time: Aug 05 12:52:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 12:39:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	149820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	237922	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	228876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104918	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	46186	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
35) Dibromofluoromethane	7.55	113	30159	19.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.54%	
50) Toluene-d8	10.06	98	116595	18.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.40%	
62) 4-Bromofluorobenzene	12.38	95	42194	18.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43979	23.343	ug/l	99
3) Chloromethane	2.03	50	36675	15.457	ug/l	97
4) Vinyl Chloride	2.16	62	37301	17.912	ug/l	98
5) Bromomethane	2.51	94	23251	23.506	ug/l	97
6) Chloroethane	2.66	64	23332	23.360	ug/l	97
7) Trichlorofluoromethane	2.97	101	63820	24.489	ug/l	97
8) Diethyl Ether	3.37	74	17500	15.615	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	26152	16.804	ug/l	99
10) Methyl Iodide	3.91	142	28917	14.760	ug/l	100
11) Tert butyl alcohol	4.75	59	38566	101.211	ug/l #	83
12) 1,1-Dichloroethene	3.69	96	24429	15.663	ug/l	89
13) Acrolein	3.57	56	20741	62.868	ug/l	99
14) Allyl chloride	4.27	41	44940	13.618	ug/l	98
15) Acrylonitrile	4.93	53	89725	91.224	ug/l	98
16) Acetone	3.78	43	84678	96.591	ug/l	96
17) Carbon Disulfide	4.00	76	69498	13.776	ug/l	98
18) Methyl Acetate	4.28	43	41734	18.789	ug/l #	78
19) Methyl tert-butyl Ether	5.00	73	108535	18.388	ug/l	100
20) Methylene Chloride	4.50	84	31495	15.397	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	27559	15.948	ug/l	98
22) Diisopropyl ether	5.91	45	108180	16.171	ug/l	95
23) Vinyl Acetate	5.84	43	377684	70.554	ug/l	99
24) 1,1-Dichloroethane	5.79	63	59258	16.345	ug/l	98
25) 2-Butanone	6.79	43	121154	91.526	ug/l	98
26) 2,2-Dichloropropane	6.77	77	54213	17.865	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	32252	16.261	ug/l	99
28) Bromochloromethane	7.15	49	30207	17.073	ug/l	99
29) Tetrahydrofuran	7.17	42	77708	87.149	ug/l	98
30) Chloroform	7.33	83	63778	18.164	ug/l	97
31) Cyclohexane	7.62	56	55060	16.403	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	57269	19.253	ug/l	98
36) 1,1-Dichloropropene	7.75	75	41110	16.479	ug/l	98
37) Ethyl Acetate	6.89	43	45628	17.110	ug/l	99
38) Carbon Tetrachloride	7.73	117	50160	20.432	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50748	18.587	ug/l	99
40) Benzene	8.00	78	125435	16.722	ug/l	97
41) Methacrylonitrile	7.13	41	18021	15.224	ug/l #	68
42) 1,2-Dichloroethane	8.09	62	54978	19.528	ug/l	99
43) Isopropyl Acetate	8.13	43	73419	17.055	ug/l #	91
44) Trichloroethene	8.80	130	30665	17.944	ug/l	93
45) 1,2-Dichloropropane	9.08	63	34884	16.572	ug/l	98
46) Dibromomethane	9.18	93	22609	18.274	ug/l	95
47) Bromodichloromethane	9.37	83	52524	19.367	ug/l	95
48) Methyl methacrylate	9.17	41	36551	17.699	ug/l	97
49) 1,4-Dioxane	9.17	88	13902	420.691	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	253905	96.842	ug/l	99
52) Toluene	10.13	92	78586	17.851	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	55685	18.576	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	57822	18.234	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	33988	19.698	ug/l	99
56) Ethyl methacrylate	10.40	69	50538	18.361	ug/l	95
57) 1,3-Dichloropropane	10.68	76	58450	18.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	71453	92.091	ug/l	99
59) 2-Hexanone	10.72	43	185764	99.108	ug/l	100
60) Dibromochloromethane	10.87	129	39318	20.241	ug/l	99
61) 1,2-Dibromoethane	10.98	107	33199	18.535	ug/l	97
64) Tetrachloroethene	10.60	164	26743	18.004	ug/l	95
65) Chlorobenzene	11.41	112	85994	17.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	35599	19.466	ug/l	99
67) Ethyl Benzene	11.49	91	154903	17.659	ug/l	99
68) m/p-Xylenes	11.60	106	114175	36.122	ug/l	99
69) o-Xylene	11.92	106	53841	17.905	ug/l	98
70) Styrene	11.94	104	96537	18.930	ug/l	99
71) Bromoform	12.10	173	28239	20.323	ug/l #	99
73) Isopropylbenzene	12.23	105	154313	18.681	ug/l	99
74) N-amyl acetate	12.05	43	63200	17.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	53564	18.725	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	53124m	19.801	ug/l	
77) Bromobenzene	12.50	156	37616	18.913	ug/l	97
78) n-propylbenzene	12.57	91	177830	18.415	ug/l	100
79) 2-Chlorotoluene	12.65	91	111101	18.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	132491	19.248	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	17911	18.666	ug/l	97
82) 4-Chlorotoluene	12.75	91	113568	18.275	ug/l	98
83) tert-Butylbenzene	12.97	119	112152	19.589	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	126139	18.672	ug/l	97
85) sec-Butylbenzene	13.15	105	147265	19.222	ug/l	99
86) p-Isopropyltoluene	13.26	119	128680	19.415	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	65082	18.503	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	64650	18.742	ug/l	99
89) n-Butylbenzene	13.59	91	101082	17.819	ug/l	97
90) Hexachloroethane	13.85	117	26420	18.715	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	61895	18.514	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11379	21.113	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27924	18.018	ug/l	95
94) Hexachlorobutadiene	14.99	225	20626	20.203	ug/l	97
95) Naphthalene	15.11	128	72380	16.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	28018	17.736	ug/l	99

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

