

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061540.D
 Acq On : 28 May 2020 18:32
 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
 5/29/2020 5:46:48 PM

Quant Time: May 29 01:55:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	355725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	612124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	561813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	270054	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	84418	16.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.84%	
35) Dibromofluoromethane	7.55	113	65395	20.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.58%	
50) Toluene-d8	10.06	98	280428	18.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.62%	
62) 4-Bromofluorobenzene	12.38	95	97814	17.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	78366	25.104	ug/l	98
3) Chloromethane	2.03	50	88035	18.394	ug/l	99
4) Vinyl Chloride	2.16	62	121350	17.967	ug/l	98
5) Bromomethane	2.54	94	70406	18.784	ug/l	98
6) Chloroethane	2.67	64	75939	16.793	ug/l	98
7) Trichlorofluoromethane	2.98	101	151427	18.277	ug/l	99
8) Diethyl Ether	3.37	74	43209	17.876	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65516	18.988	ug/l	99
10) Methyl Iodide	3.91	142	90932	20.857	ug/l	98
11) Tert butyl alcohol	4.73	59	53098	89.217	ug/l	100
12) 1,1-Dichloroethene	3.69	96	67506	18.555	ug/l	99
13) Acrolein	3.56	56	16180	38.157	ug/l	97
14) Allyl chloride	4.27	41	90761	15.976	ug/l	96
15) Acrylonitrile	4.93	53	152148	86.151	ug/l	98
16) Acetone	3.78	43	117208	74.354	ug/l	99
17) Carbon Disulfide	4.01	76	161113	18.042	ug/l	97
18) Methyl Acetate	4.27	43	72249	17.796	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	233723	17.264	ug/l	99
20) Methylene Chloride	4.50	84	76667	17.820	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	75911	18.301	ug/l	95
22) Diisopropyl ether	5.90	45	201589	15.739	ug/l	98
23) Vinyl Acetate	5.84	43	814989	80.037	ug/l	99
24) 1,1-Dichloroethane	5.80	63	126557	16.787	ug/l	99
25) 2-Butanone	6.79	43	186746	79.843	ug/l	99
26) 2,2-Dichloropropane	6.78	77	112627	15.762	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	89163	18.222	ug/l	99
28) Bromochloromethane	7.15	49	53607	17.195	ug/l	96
29) Tetrahydrofuran	7.17	42	127176	82.106	ug/l	98
30) Chloroform	7.33	83	140608	17.759	ug/l	99
31) Cyclohexane	7.61	56	114693	16.003	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	128020	17.674	ug/l	99
36) 1,1-Dichloropropene	7.75	75	100476	17.815	ug/l	99
37) Ethyl Acetate	6.89	43	85386	16.729	ug/l	98
38) Carbon Tetrachloride	7.73	117	95944	18.388	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	125927	18.238	ug/l	95
40) Benzene	8.00	78	307274	18.047	ug/l	98
41) Methacrylonitrile	7.13	41	39299	18.727	ug/l #	82
42) 1,2-Dichloroethane	8.09	62	103077	16.981	ug/l	99
43) Isopropyl Acetate	8.13	43	142258	16.104	ug/l #	92
44) Trichloroethene	8.80	130	95794	20.800	ug/l	96
45) 1,2-Dichloropropane	9.08	63	72955	17.245	ug/l	97
46) Dibromomethane	9.17	93	55799	18.548	ug/l	97
47) Bromodichloromethane	9.37	83	111778	17.822	ug/l	97
48) Methyl methacrylate	9.17	41	62272	15.352	ug/l	98
49) 1,4-Dioxane	9.17	88	18732	368.803	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	410553	85.176	ug/l	99
52) Toluene	10.13	92	201846	18.401	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	118438	17.310	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	127911	17.490	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	79218	19.033	ug/l	99
56) Ethyl methacrylate	10.40	69	109828	17.087	ug/l	97
57) 1,3-Dichloropropane	10.68	76	129629	18.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	247879	87.920	ug/l	100
59) 2-Hexanone	10.72	43	289273	82.999	ug/l	100
60) Dibromochloromethane	10.88	129	89674	19.323	ug/l	99
61) 1,2-Dibromoethane	10.98	107	83173	18.954	ug/l	100
64) Tetrachloroethene	10.60	164	96226	21.466	ug/l	98
65) Chlorobenzene	11.41	112	218651	19.140	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	79281	19.237	ug/l	99
67) Ethyl Benzene	11.49	91	381997	18.542	ug/l	100
68) m/p-Xylenes	11.60	106	299691	38.062	ug/l	100
69) o-Xylene	11.92	106	143698	18.856	ug/l	99
70) Styrene	11.94	104	237666	18.869	ug/l	99
71) Bromoform	12.10	173	58931	19.994	ug/l #	98
73) Isopropylbenzene	12.22	105	376957	17.763	ug/l	100
74) N-amyl acetate	12.05	43	119159	15.592	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	103526	17.717	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	90330m	16.067	ug/l	
77) Bromobenzene	12.50	156	91170	19.272	ug/l	93
78) n-propylbenzene	12.57	91	417459	17.367	ug/l	99
79) 2-Chlorotoluene	12.65	91	243946	17.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315238	18.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	35340	16.543	ug/l	98
82) 4-Chlorotoluene	12.75	91	255551	17.312	ug/l	98
83) tert-Butylbenzene	12.97	119	272261	18.224	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	313083	17.992	ug/l	100
85) sec-Butylbenzene	13.15	105	354335	17.659	ug/l	99
86) p-Isopropyltoluene	13.26	119	326579	18.219	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	165473	19.268	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	167691	19.503	ug/l	98
89) n-Butylbenzene	13.59	91	271168	16.871	ug/l	99
90) Hexachloroethane	13.85	117	33619	14.384	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	160344	19.461	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21129	17.897	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	92093	20.424	ug/l	98
94) Hexachlorobutadiene	14.99	225	36628	18.461	ug/l	98
95) Naphthalene	15.10	128	288441	20.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	91721	20.365	ug/l	99

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

