

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060159.D
 Acq On : 19 Feb 2020 17:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:41 AM

Quant Time: Feb 20 03:19:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	297295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111058	49.84	ug/l	0.00
Spiked Amount						
			Recovery	=	99.68%	
35) Dibromofluoromethane	7.57	113	88817	48.60	ug/l	0.00
Spiked Amount						
			Recovery	=	97.20%	
50) Toluene-d8	10.08	98	346297	48.12	ug/l	0.00
Spiked Amount						
			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	130936	49.51	ug/l	0.00
Spiked Amount						
			Recovery	=	99.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	89273	48.770	ug/l	100
3) Chloromethane	2.04	50	103300	47.421	ug/l	98
4) Vinyl Chloride	2.17	62	122302	49.256	ug/l	99
5) Bromomethane	2.54	94	74513	48.942	ug/l	96
6) Chloroethane	2.68	64	61620	49.066	ug/l	97
7) Trichlorofluoromethane	3.00	101	153858	48.061	ug/l	100
8) Diethyl Ether	3.38	74	54577	51.216	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85536	48.126	ug/l	99
10) Methyl Iodide	3.93	142	123806	51.741	ug/l	99
11) Tert butyl alcohol	4.73	59	88819	266.351	ug/l	100
12) 1,1-Dichloroethene	3.72	96	84772	48.961	ug/l	99
13) Acrolein	3.58	56	95965	291.146	ug/l	96
14) Allyl chloride	4.29	41	122996	48.264	ug/l	98
15) Acrylonitrile	4.94	53	222859	273.659	ug/l	100
16) Acetone	3.78	43	198052	203.756	ug/l	100
17) Carbon Disulfide	4.03	76	239425	45.877	ug/l	99
18) Methyl Acetate	4.29	43	100496	55.039	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	288719	49.585	ug/l	99
20) Methylene Chloride	4.52	84	95447	49.219	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	91483	48.471	ug/l	99
22) Diisopropyl ether	5.92	45	284145	50.876	ug/l	95
23) Vinyl Acetate	5.86	43	1222907	260.740	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168520	49.809	ug/l	99
25) 2-Butanone	6.80	43	300388	245.722	ug/l	96
26) 2,2-Dichloropropane	6.80	77	154478	48.071	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	107980	48.886	ug/l	100
28) Bromochloromethane	7.17	49	65586	49.308	ug/l	98
29) Tetrahydrofuran	7.18	42	197321	263.108	ug/l	99
30) Chloroform	7.35	83	176960	49.930	ug/l	98
31) Cyclohexane	7.63	56	149917	47.567	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	161300	49.803	ug/l	100
36) 1,1-Dichloropropene	7.77	75	130712	47.468	ug/l	99
37) Ethyl Acetate	6.90	43	126164	50.695	ug/l	99
38) Carbon Tetrachloride	7.75	117	141356	47.267	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	159122	46.551	ug/l	98
40) Benzene	8.02	78	388871	47.607	ug/l	99
41) Methacrylonitrile	7.15	41	56912m	54.530	ug/l	
42) 1,2-Dichloroethane	8.10	62	141097	49.285	ug/l	99
43) Isopropyl Acetate	8.14	43	217762	51.187	ug/l	98
44) Trichloroethene	8.82	130	104268	46.100	ug/l	95
45) 1,2-Dichloropropane	9.10	63	101546	50.213	ug/l	99
46) Dibromomethane	9.19	93	69870	48.891	ug/l	98
47) Bromodichloromethane	9.39	83	141515	48.707	ug/l	98
48) Methyl methacrylate	9.18	41	97245	50.948	ug/l	99
49) 1,4-Dioxane	9.18	88	35018	1073.768	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	645838	262.279	ug/l	100
52) Toluene	10.14	92	255456	48.769	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	162828	49.649	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	169124	48.973	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99520	48.700	ug/l	98
56) Ethyl methacrylate	10.42	69	150757	52.150	ug/l	100
57) 1,3-Dichloropropane	10.70	76	165929	49.208	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	348626	258.866	ug/l	99
59) 2-Hexanone	10.74	43	486924	255.987	ug/l	100
60) Dibromochloromethane	10.89	129	115587	49.290	ug/l	98
61) 1,2-Dibromoethane	10.99	107	106015	49.489	ug/l	97
64) Tetrachloroethene	10.62	164	91932	43.156	ug/l	99
65) Chlorobenzene	11.43	112	273912	47.978	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	105541	48.867	ug/l	99
67) Ethyl Benzene	11.50	91	498281	48.391	ug/l	99
68) m/p-Xylenes	11.62	106	374023	96.782	ug/l	99
69) o-Xylene	11.94	106	181052	48.657	ug/l	99
70) Styrene	11.96	104	301562	50.257	ug/l	100
71) Bromoform	12.12	173	89449	51.493	ug/l #	98
73) Isopropylbenzene	12.24	105	494270	45.949	ug/l	99
74) N-amyl acetate	12.06	43	198076	51.065	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	153480	49.570	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132578m	48.105	ug/l	
77) Bromobenzene	12.52	156	124302	46.563	ug/l	100
78) n-propylbenzene	12.59	91	568498	46.386	ug/l	100
79) 2-Chlorotoluene	12.67	91	331099	45.963	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	416696	46.590	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	55535	49.339	ug/l	98
82) 4-Chlorotoluene	12.77	91	343762	46.513	ug/l	100
83) tert-Butylbenzene	12.99	119	361565	45.699	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	417081	47.241	ug/l	100
85) sec-Butylbenzene	13.17	105	485009	46.287	ug/l	100
86) p-Isopropyltoluene	13.28	119	440630	46.413	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	223815	47.364	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	220457	46.663	ug/l	99
89) n-Butylbenzene	13.61	91	388367	46.510	ug/l	100
90) Hexachloroethane	13.87	117	82396	46.457	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	217558	47.045	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32770	49.773	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	130941	48.189	ug/l	100
94) Hexachlorobutadiene	15.01	225	69333	43.586	ug/l	100
95) Naphthalene	15.13	128	358781	48.880	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	126204	46.640	ug/l	100

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

