

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061220.D
 Acq On : 1 May 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:57:56 PM

Quant Time: May 04 01:19:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	124945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	209458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	194735	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	87477	44.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.50%	
35) Dibromofluoromethane	7.54	113	57186	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
50) Toluene-d8	10.06	98	238815	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
62) 4-Bromofluorobenzene	12.37	95	89784	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62157	46.913	ug/l	99
3) Chloromethane	2.03	50	91380	56.946	ug/l	98
4) Vinyl Chloride	2.16	62	84829	46.543	ug/l	99
5) Bromomethane	2.53	94	35503	39.407	ug/l	99
6) Chloroethane	2.67	64	49530	42.875	ug/l	99
7) Trichlorofluoromethane	2.98	101	103242	50.208	ug/l	98
8) Diethyl Ether	3.37	74	50603	58.999	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	66438	50.153	ug/l	99
10) Methyl Iodide	3.91	142	82759	48.612	ug/l	96
11) Tert butyl alcohol	4.73	59	60930	230.067	ug/l	99
12) 1,1-Dichloroethene	3.69	96	65117	49.396	ug/l	99
13) Acrolein	3.56	56	48354	273.979	ug/l	98
14) Allyl chloride	4.27	41	151419	61.948	ug/l	92
15) Acrylonitrile	4.92	53	225080	276.859	ug/l	98
16) Acetone	3.77	43	199616	261.320	ug/l	97
17) Carbon Disulfide	4.01	76	170433	46.803	ug/l	100
18) Methyl Acetate	4.27	43	117467	47.109	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	256207	50.862	ug/l	98
20) Methylene Chloride	4.50	84	78615	50.996	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	71198	49.599	ug/l	99
22) Diisopropyl ether	5.90	45	308891	54.496	ug/l	97
23) Vinyl Acetate	5.83	43	1235858	270.791	ug/l	99
24) 1,1-Dichloroethane	5.79	63	151050	51.004	ug/l	99
25) 2-Butanone	6.78	43	299080	255.654	ug/l	99
26) 2,2-Dichloropropane	6.77	77	122959	49.293	ug/l	99
27) cis-1,2-Dichloroethene	6.77	96	83569	49.609	ug/l	99
28) Bromochloromethane	7.15	49	71545	50.969	ug/l	94
29) Tetrahydrofuran	7.16	42	203901	258.743	ug/l	96
30) Chloroform	7.32	83	141353	47.099	ug/l	99
31) Cyclohexane	7.61	56	134405	46.732	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	118218	45.236	ug/l	99
36) 1,1-Dichloropropene	7.75	75	106790	50.931	ug/l	99
37) Ethyl Acetate	6.88	43	128333	52.208	ug/l	99
38) Carbon Tetrachloride	7.73	117	85436	44.904	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	119966	51.018	ug/l	99
40) Benzene	8.00	78	319488	51.144	ug/l	98
41) Methacrylonitrile	7.12	41	64563	63.260	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	117496	49.649	ug/l	99
43) Isopropyl Acetate	8.12	43	212891	52.185	ug/l	99
44) Trichloroethene	8.80	130	79572	47.121	ug/l	100
45) 1,2-Dichloropropane	9.08	63	88170	52.832	ug/l	100
46) Dibromomethane	9.17	93	53417	51.694	ug/l	98
47) Bromodichloromethane	9.37	83	113112	50.999	ug/l	97
48) Methyl methacrylate	9.16	41	97563	52.998	ug/l	98
49) 1,4-Dioxane	9.16	88	19033	910.828	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	631050	262.798	ug/l	100
52) Toluene	10.12	92	191130	50.797	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	130989	52.414	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	139502	52.800	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	76281	50.827	ug/l	98
56) Ethyl methacrylate	10.40	69	125963	48.264	ug/l	97
57) 1,3-Dichloropropane	10.68	76	139564	52.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	331245	272.669	ug/l	98
59) 2-Hexanone	10.72	43	454699	260.278	ug/l	100
60) Dibromochloromethane	10.87	129	78350	49.845	ug/l	99
61) 1,2-Dibromoethane	10.98	107	74843	49.754	ug/l	98
64) Tetrachloroethene	10.60	164	79884	47.363	ug/l	99
65) Chlorobenzene	11.40	112	193695	50.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	69928	50.578	ug/l	98
67) Ethyl Benzene	11.48	91	371153	51.326	ug/l	99
68) m/p-Xylenes	11.59	106	270656	102.255	ug/l	98
69) o-Xylene	11.92	106	128530	50.553	ug/l	98
70) Styrene	11.94	104	219826	51.659	ug/l	99
71) Bromoform	12.10	173	52999	52.159	ug/l #	99
73) Isopropylbenzene	12.22	105	347810	51.449	ug/l	99
74) N-amyl acetate	12.04	43	185546	54.202	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	111078	52.695	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	97953m	50.525	ug/l	
77) Bromobenzene	12.50	156	79336	50.838	ug/l	95
78) n-propylbenzene	12.56	91	424487	52.939	ug/l	100
79) 2-Chlorotoluene	12.65	91	245197	52.025	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	296764	53.039	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	40985	53.685	ug/l	98
82) 4-Chlorotoluene	12.75	91	259871	52.316	ug/l	98
83) tert-Butylbenzene	12.97	119	244412	51.805	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	297897	51.677	ug/l	99
85) sec-Butylbenzene	13.15	105	338120	52.566	ug/l	99
86) p-Isopropyltoluene	13.26	119	302631	52.219	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	146396	50.958	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	147493	50.247	ug/l	99
89) n-Butylbenzene	13.59	91	290609	54.699	ug/l	99
90) Hexachloroethane	13.85	117	29806	49.413	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	139687	50.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21627	48.578	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	90226	53.788	ug/l	100
94) Hexachlorobutadiene	14.99	225	39200	55.938	ug/l	98
95) Naphthalene	15.10	128	272744	49.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	86388	52.163	ug/l	99

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

