

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061967.D
 Acq On : 19 Jun 2020 21:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:27:33 PM

Quant Time: Jun 22 01:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	301999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	281700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136991	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	113657	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.55	113	93082	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
50) Toluene-d8	10.06	98	366698	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.38	95	128454	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	112866	50.216	ug/l	98
3) Chloromethane	2.03	50	121569	50.704	ug/l	98
4) Vinyl Chloride	2.16	62	155235	54.310	ug/l	99
5) Bromomethane	2.52	94	88579	40.356	ug/l	97
6) Chloroethane	2.66	64	94844	49.029	ug/l	100
7) Trichlorofluoromethane	2.98	101	176618	51.731	ug/l	97
8) Diethyl Ether	3.37	74	63939	55.706	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	90356	51.586	ug/l	98
10) Methyl Iodide	3.91	142	108168	51.044	ug/l	99
11) Tert butyl alcohol	4.74	59	79753	248.783	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	93463	53.254	ug/l	97
13) Acrolein	3.57	56	57244	298.771	ug/l	100
14) Allyl chloride	4.27	41	128583	55.202	ug/l	98
15) Acrylonitrile	4.93	53	228309	287.424	ug/l	98
16) Acetone	3.77	43	172999	252.817	ug/l	100
17) Carbon Disulfide	4.00	76	253879	49.438	ug/l	99
18) Methyl Acetate	4.27	43	113755	57.741	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	322669	55.218	ug/l	100
20) Methylene Chloride	4.50	84	108445	48.643	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	104096	51.638	ug/l	99
22) Diisopropyl ether	5.90	45	292143	54.839	ug/l	99
23) Vinyl Acetate	5.84	43	1203352	287.198	ug/l	98
24) 1,1-Dichloroethane	5.79	63	183999	52.762	ug/l	99
25) 2-Butanone	6.79	43	287702	288.170	ug/l	100
26) 2,2-Dichloropropane	6.77	77	142966	48.727	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	123285	53.002	ug/l	99
28) Bromochloromethane	7.15	49	84128	54.180	ug/l	95
29) Tetrahydrofuran	7.17	42	187706	285.685	ug/l	98
30) Chloroform	7.33	83	188073	50.462	ug/l	98
31) Cyclohexane	7.61	56	153231	50.193	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	163704	51.575	ug/l	99
36) 1,1-Dichloropropene	7.75	75	141807	51.481	ug/l	98
37) Ethyl Acetate	6.88	43	124074	57.681	ug/l	99
38) Carbon Tetrachloride	7.73	117	136856	50.171	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	158934	53.584	ug/l	97
40) Benzene	8.00	78	430509	51.594	ug/l	98
41) Methacrylonitrile	7.13	41	54114	58.831	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	147574	51.869	ug/l	98
43) Isopropyl Acetate	8.13	43	211508	58.347	ug/l	98
44) Trichloroethene	8.80	130	109735	49.971	ug/l	99
45) 1,2-Dichloropropane	9.08	63	110321	53.799	ug/l	99
46) Dibromomethane	9.17	93	74542	51.622	ug/l	99
47) Bromodichloromethane	9.37	83	152558	51.595	ug/l	98
48) Methyl methacrylate	9.17	41	96957	58.815	ug/l	95
49) 1,4-Dioxane	9.17	88	35450	936.635	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	628896	293.581	ug/l	99
52) Toluene	10.12	92	281226	53.665	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	168754	53.762	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	182483	53.524	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	111649	54.150	ug/l	99
56) Ethyl methacrylate	10.40	69	160188	50.813	ug/l	96
57) 1,3-Dichloropropane	10.68	76	185596	53.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	317691	291.951	ug/l	98
59) 2-Hexanone	10.72	43	460474	268.042	ug/l	98
60) Dibromochloromethane	10.87	129	119911	52.120	ug/l	100
61) 1,2-Dibromoethane	10.98	107	113874	52.892	ug/l	99
64) Tetrachloroethene	10.60	164	88661	49.381	ug/l	97
65) Chlorobenzene	11.41	112	297818	50.103	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	107266	51.742	ug/l	99
67) Ethyl Benzene	11.48	91	524849	52.663	ug/l	100
68) m/p-Xylenes	11.59	106	408774	106.370	ug/l	100
69) o-Xylene	11.92	106	195647	53.357	ug/l	98
70) Styrene	11.94	104	333432	54.309	ug/l	99
71) Bromoform	12.10	173	80844	53.483	ug/l #	99
73) Isopropylbenzene	12.22	105	514289	52.830	ug/l	100
74) N-amyl acetate	12.04	43	194080	54.743	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	167177	52.821	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	137121m	50.984	ug/l	
77) Bromobenzene	12.50	156	123462	50.271	ug/l	96
78) n-propylbenzene	12.56	91	590930	53.200	ug/l	99
79) 2-Chlorotoluene	12.65	91	350720	52.572	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	425107	52.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	54883	55.657	ug/l	99
82) 4-Chlorotoluene	12.75	91	360167	52.248	ug/l	98
83) tert-Butylbenzene	12.97	119	355119	52.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	428274	53.870	ug/l	100
85) sec-Butylbenzene	13.15	105	483458	54.098	ug/l	98
86) p-Isopropyltoluene	13.26	119	432217	54.276	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	224151	50.042	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	227147	49.541	ug/l	99
89) n-Butylbenzene	13.59	91	363394	54.641	ug/l	99
90) Hexachloroethane	13.85	117	78304	53.717	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	222604	51.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29425	57.268	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	110903	54.502	ug/l	98
94) Hexachlorobutadiene	14.98	225	43327	54.062	ug/l	97
95) Naphthalene	15.10	128	335501	49.288	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	109232	54.203	ug/l	99

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

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