

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061156.D
 Acq On : 27 Apr 2020 18:44
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042720

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 9:59:35 AM

Quant Time: Apr 28 02:24:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 02:20:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	129921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	225231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101477	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	99665	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.55	113	66703	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.06	98	270254	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.38	95	102206	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	70109	50.888	ug/l	100
3) Chloromethane	2.03	50	80070	47.987	ug/l	100
4) Vinyl Chloride	2.16	62	91855	48.468	ug/l	99
5) Bromomethane	2.54	94	43939	46.903	ug/l	100
6) Chloroethane	2.67	64	56890	47.360	ug/l	98
7) Trichlorofluoromethane	2.98	101	103065	48.202	ug/l	99
8) Diethyl Ether	3.37	74	45130	50.603	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	65338	47.433	ug/l	100
10) Methyl Iodide	3.91	142	88564	50.029	ug/l	99
11) Tert butyl alcohol	4.73	59	67888	246.522	ug/l	99
12) 1,1-Dichloroethene	3.70	96	65552	47.821	ug/l	99
13) Acrolein	3.56	56	40545	220.934	ug/l	98
14) Allyl chloride	4.27	41	136656	53.767	ug/l	100
15) Acrylonitrile	4.93	53	210719	249.267	ug/l	99
16) Acetone	3.77	43	185020	232.322	ug/l	99
17) Carbon Disulfide	4.01	76	188460	49.771	ug/l	99
18) Methyl Acetate	4.27	43	119801	46.218	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	252101	48.130	ug/l	99
20) Methylene Chloride	4.50	84	75631	47.181	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	73767	49.420	ug/l	97
22) Diisopropyl ether	5.90	45	289603	49.136	ug/l	99
23) Vinyl Acetate	5.84	43	1198893	252.630	ug/l	100
24) 1,1-Dichloroethane	5.80	63	146778	47.664	ug/l	99
25) 2-Butanone	6.78	43	299971	246.595	ug/l	99
26) 2,2-Dichloropropane	6.77	77	123465	47.600	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	84969	48.508	ug/l	99
28) Bromochloromethane	7.15	49	65403	44.809	ug/l	99
29) Tetrahydrofuran	7.16	42	206646	252.183	ug/l	99
30) Chloroform	7.33	83	147593	47.295	ug/l	99
31) Cyclohexane	7.61	56	139388	46.608	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	130347	47.966	ug/l	100
36) 1,1-Dichloropropene	7.75	75	110626	49.065	ug/l	100
37) Ethyl Acetate	6.88	43	128834	48.741	ug/l	99
38) Carbon Tetrachloride	7.73	117	96270	53.393	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	126334	47.188	ug/l	100
40) Benzene	8.00	78	324328	48.283	ug/l	99
41) Methacrylonitrile	7.12	41	52028	47.408	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	124077	48.759	ug/l	99
43) Isopropyl Acetate	8.13	43	218216	49.745	ug/l	99
44) Trichloroethene	8.80	130	86628	47.706	ug/l	99
45) 1,2-Dichloropropane	9.08	63	84782	47.244	ug/l	98
46) Dibromomethane	9.17	93	55605	50.043	ug/l	99
47) Bromodichloromethane	9.37	83	119077	49.928	ug/l	99
48) Methyl methacrylate	9.17	41	98848	49.935	ug/l	97
49) 1,4-Dioxane	9.16	88	19905	885.849	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	656248	254.153	ug/l	100
52) Toluene	10.12	92	201567	49.819	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	135234	50.323	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	141433	49.782	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	77837	48.231	ug/l	99
56) Ethyl methacrylate	10.40	69	129221	46.171	ug/l	99
57) 1,3-Dichloropropane	10.68	76	141802	49.988	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	325802	249.407	ug/l	100
59) 2-Hexanone	10.72	43	484335	257.827	ug/l	100
60) Dibromochloromethane	10.87	129	84206	49.819	ug/l	99
61) 1,2-Dibromoethane	10.98	107	81463	50.363	ug/l	100
64) Tetrachloroethene	10.60	164	87826	48.573	ug/l	99
65) Chlorobenzene	11.41	112	205141	49.537	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	75202	50.738	ug/l	99
67) Ethyl Benzene	11.48	91	392945	50.688	ug/l	99
68) m/p-Xylenes	11.60	106	287267	101.238	ug/l	98
69) o-Xylene	11.92	106	138485	50.808	ug/l	98
70) Styrene	11.94	104	239445	52.488	ug/l	100
71) Bromoform	12.10	173	57865	53.121	ug/l #	99
73) Isopropylbenzene	12.22	105	376408	50.456	ug/l	99
74) N-amyl acetate	12.04	43	197767	52.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	116101	49.911	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	105875m	49.488	ug/l	
77) Bromobenzene	12.50	156	85574	49.691	ug/l	98
78) n-propylbenzene	12.57	91	448403	50.676	ug/l	100
79) 2-Chlorotoluene	12.65	91	261286	50.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	315623	51.118	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	43376	51.487	ug/l	99
82) 4-Chlorotoluene	12.75	91	276348	50.414	ug/l	100
83) tert-Butylbenzene	12.97	119	265905	51.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	321547	50.547	ug/l	100
85) sec-Butylbenzene	13.15	105	367394	51.759	ug/l	100
86) p-Isopropyltoluene	13.26	119	329215	51.478	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	157440	49.661	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	158566	48.952	ug/l	99
89) n-Butylbenzene	13.59	91	303786	51.815	ug/l	99
90) Hexachloroethane	13.85	117	30340	46.172	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	149661	49.234	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	26026	52.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	94869	51.251	ug/l	100
94) Hexachlorobutadiene	14.98	225	39165	50.645	ug/l	100
95) Naphthalene	15.10	128	313115	51.940	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	92350	50.532	ug/l	99

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

