

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072719\
 Data File : VN056940.D
 Acq On : 26 Jul 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 9:13:09 AM

Quant Time: Jul 27 00:41:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 23:57:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	610540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	886826	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	786815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	319071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	128846	20.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.04%	
35) Dibromofluoromethane	7.57	113	116615	20.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.48%	
50) Toluene-d8	10.08	98	450759	21.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.20%	
62) 4-Bromofluorobenzene	12.39	95	142457	20.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	130667	20.286	ug/l	100
3) Chloromethane	2.05	50	143081	18.645	ug/l	99
4) Vinyl Chloride	2.18	62	133660	18.378	ug/l	98
5) Bromomethane	2.55	94	83355	18.973	ug/l	99
6) Chloroethane	2.69	64	73688	18.284	ug/l	99
7) Trichlorofluoromethane	3.00	101	174111	18.356	ug/l	96
8) Diethyl Ether	3.40	74	63308	17.825	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	110307	18.821	ug/l	98
10) Methyl Iodide	3.94	142	148655	17.546	ug/l	99
11) Tert butyl alcohol	4.76	59	73580	80.981	ug/l	99
12) 1,1-Dichloroethene	3.72	96	101755	18.066	ug/l	97
13) Acrolein	3.60	56	38662	77.249	ug/l	96
14) Allyl chloride	4.30	41	165264	18.054	ug/l	100
15) Acrylonitrile	4.97	53	234558	90.333	ug/l	98
16) Acetone	3.80	43	201806	93.219	ug/l	97
17) Carbon Disulfide	4.04	76	263054	17.413	ug/l	99
18) Methyl Acetate	4.31	43	128894	17.133	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	296985	17.851	ug/l	99
20) Methylene Chloride	4.54	84	117743	17.544	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	106940	17.752	ug/l	100
22) Diisopropyl ether	5.93	45	346041	18.624	ug/l	99
23) Vinyl Acetate	5.88	43	1167893	90.740	ug/l	99
24) 1,1-Dichloroethane	5.83	63	199254	18.223	ug/l	99
25) 2-Butanone	6.82	43	296808	89.344	ug/l	99
26) 2,2-Dichloropropane	6.81	77	145694	18.119	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	126261	18.362	ug/l	99
28) Bromochloromethane	7.18	49	107025	21.330	ug/l	97
29) Tetrahydrofuran	7.19	42	190474	87.651	ug/l	99
30) Chloroform	7.36	83	197750	17.567	ug/l	100
31) Cyclohexane	7.64	56	189264	17.795	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	162011	18.005	ug/l	99
36) 1,1-Dichloropropene	7.78	75	148881	18.602	ug/l	99
37) Ethyl Acetate	6.91	43	116220	17.687	ug/l	99
38) Carbon Tetrachloride	7.76	117	137782	18.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	192980	19.723	ug/l	98
40) Benzene	8.03	78	459134	18.469	ug/l	98
41) Methacrylonitrile	7.16	41	51822m	17.730	ug/l	
42) 1,2-Dichloroethane	8.11	62	142011	18.523	ug/l	99
43) Isopropyl Acetate	8.15	43	193455	17.998	ug/l #	92
44) Trichloroethene	8.82	130	128463	19.012	ug/l	97
45) 1,2-Dichloropropane	9.11	63	122400	18.364	ug/l	99
46) Dibromomethane	9.20	93	75150	18.669	ug/l	99
47) Bromodichloromethane	9.39	83	143146	18.194	ug/l	100
48) Methyl methacrylate	9.19	41	92351	17.991	ug/l	96
49) 1,4-Dioxane	9.19	88	41543	391.120	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	587155	91.878	ug/l	99
52) Toluene	10.15	92	288277	19.384	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	145583	18.301	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	177582	19.028	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	111404	18.609	ug/l	98
56) Ethyl methacrylate	10.42	69	148270	18.351	ug/l	99
57) 1,3-Dichloropropane	10.70	76	185161	18.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	299464	93.347	ug/l	99
59) 2-Hexanone	10.74	43	404160	92.051	ug/l	99
60) Dibromochloromethane	10.89	129	113433	18.568	ug/l	100
61) 1,2-Dibromoethane	11.00	107	111183	18.771	ug/l	100
64) Tetrachloroethene	10.62	164	132725	18.885	ug/l	99
65) Chlorobenzene	11.43	112	304026	18.729	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	113435	18.718	ug/l	99
67) Ethyl Benzene	11.50	91	530708	18.995	ug/l	100
68) m/p-Xylenes	11.61	106	399659	38.407	ug/l	99
69) o-Xylene	11.94	106	195178	19.169	ug/l	99
70) Styrene	11.96	104	312529	19.376	ug/l	100
71) Bromoform	12.12	173	75935	17.854	ug/l #	99
73) Isopropylbenzene	12.24	105	516096	18.047	ug/l	99
74) N-amyl acetate	12.06	43	142709	16.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	142240	17.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120108m	19.225	ug/l	
77) Bromobenzene	12.52	156	135281	18.472	ug/l	97
78) n-propylbenzene	12.58	91	556613	18.421	ug/l	99
79) 2-Chlorotoluene	12.67	91	339093	18.026	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	432349	18.307	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	34661	17.108	ug/l	93
82) 4-Chlorotoluene	12.77	91	324738	18.811	ug/l	100
83) tert-Butylbenzene	12.99	119	373647	17.932	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	423398	18.955	ug/l	99
85) sec-Butylbenzene	13.17	105	489553	18.606	ug/l	100
86) p-Isopropyltoluene	13.28	119	436475	18.748	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	210164	19.208	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	196969	18.744	ug/l	98
89) n-Butylbenzene	13.61	91	325813	18.107	ug/l	100
90) Hexachloroethane	13.87	117	72362	17.449	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	209310	18.871	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20377	17.900	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	89261	19.284	ug/l	99
94) Hexachlorobutadiene	15.00	225	81184	18.042	ug/l	97
95) Naphthalene	15.12	128	184131	15.969	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	94981	19.117	ug/l	98

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

