

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056703.D
 Acq On : 15 Jul 2019 11:06
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071519

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:26 AM

Quant Time: Jul 16 01:48:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	385404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	573226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	242292	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	199125	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
35) Dibromofluoromethane	7.59	113	174727	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.09	98	684650	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	237303	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	160608	44.380	ug/l	99
3) Chloromethane	2.06	50	213579	43.897	ug/l	99
4) Vinyl Chloride	2.18	62	209909	44.801	ug/l	100
5) Bromomethane	2.55	94	132161	47.966	ug/l	99
6) Chloroethane	2.69	64	119388	43.728	ug/l	99
7) Trichlorofluoromethane	3.01	101	271303	45.127	ug/l	99
8) Diethyl Ether	3.41	74	110484	47.136	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	167834	46.466	ug/l	99
10) Methyl Iodide	3.95	142	224519	46.472	ug/l	100
11) Tert butyl alcohol	4.79	59	168701	237.743	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165702	45.736	ug/l	98
13) Acrolein	3.61	56	58719	242.608	ug/l	99
14) Allyl chloride	4.32	41	293222	46.799	ug/l	100
15) Acrylonitrile	4.99	53	473744	231.185	ug/l	100
16) Acetone	3.82	43	455636	231.930	ug/l	100
17) Carbon Disulfide	4.05	76	449558	46.956	ug/l	99
18) Methyl Acetate	4.33	43	200575	45.369	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	535283	46.370	ug/l	100
20) Methylene Chloride	4.55	84	191334	44.567	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	178544	46.621	ug/l	97
22) Diisopropyl ether	5.95	45	581928	47.054	ug/l	99
23) Vinyl Acetate	5.90	43	2456324	245.098	ug/l	100
24) 1,1-Dichloroethane	5.85	63	329085	45.896	ug/l	99
25) 2-Butanone	6.84	43	674196	234.734	ug/l	100
26) 2,2-Dichloropropane	6.82	77	251641	48.673	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	208394	47.290	ug/l	100
28) Bromochloromethane	7.20	49	160608	47.640	ug/l	100
29) Tetrahydrofuran	7.21	42	432366	230.803	ug/l	99
30) Chloroform	7.37	83	319923	44.587	ug/l	99
31) Cyclohexane	7.65	56	318609	46.750	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	265501	46.789	ug/l	99
36) 1,1-Dichloropropene	7.79	75	251712	47.453	ug/l	99
37) Ethyl Acetate	6.93	43	254011	48.587	ug/l	98
38) Carbon Tetrachloride	7.77	117	234398	47.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	327381	49.984	ug/l	100
40) Benzene	8.04	78	762413	46.909	ug/l	99
41) Methacrylonitrile	7.18	41	116891m	50.901	ug/l	
42) 1,2-Dichloroethane	8.12	62	243008	47.308	ug/l	100
43) Isopropyl Acetate	8.17	43	402454	48.967	ug/l	100
44) Trichloroethene	8.83	130	209750	47.524	ug/l	97
45) 1,2-Dichloropropane	9.12	63	204321	47.311	ug/l	97
46) Dibromomethane	9.21	93	129045	48.218	ug/l	100
47) Bromodichloromethane	9.40	83	243817	47.942	ug/l	99
48) Methyl methacrylate	9.20	41	193149	48.594	ug/l	97
49) 1,4-Dioxane	9.20	88	81592	1000.421	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1276909	239.875	ug/l	99
52) Toluene	10.15	92	472393	48.941	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	274596	51.752	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	311378	50.572	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	185492	45.818	ug/l	98
56) Ethyl methacrylate	10.43	69	300425	51.573	ug/l	99
57) 1,3-Dichloropropane	10.71	76	315629	47.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	711514	254.005	ug/l	98
59) 2-Hexanone	10.75	43	968433	253.543	ug/l	100
60) Dibromochloromethane	10.90	129	197682	49.649	ug/l	100
61) 1,2-Dibromoethane	11.00	107	197773	49.155	ug/l	99
64) Tetrachloroethene	10.63	164	201909	45.401	ug/l	99
65) Chlorobenzene	11.43	112	505709	47.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185865	47.892	ug/l	99
67) Ethyl Benzene	11.51	91	907537	48.993	ug/l	99
68) m/p-Xylenes	11.62	106	681164	98.394	ug/l	99
69) o-Xylene	11.95	106	331857	48.759	ug/l	99
70) Styrene	11.96	104	559916	50.886	ug/l	100
71) Bromoform	12.12	173	147801	50.053	ug/l #	98
73) Isopropylbenzene	12.25	105	873682	44.721	ug/l	100
74) N-amyl acetate	12.07	43	341738	46.969	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	270259	47.683	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	238144m	44.939	ug/l	
77) Bromobenzene	12.53	156	229406	44.894	ug/l	98
78) n-propylbenzene	12.59	91	997452	45.989	ug/l	99
79) 2-Chlorotoluene	12.67	91	588246	49.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	748538	45.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	83708	48.783	ug/l	98
82) 4-Chlorotoluene	12.77	91	595475	46.785	ug/l	99
83) tert-Butylbenzene	12.99	119	635784	49.235	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	749411	46.329	ug/l	100
85) sec-Butylbenzene	13.17	105	846035	45.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	784598	47.074	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	394262	47.080	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	385377	47.310	ug/l	100
89) n-Butylbenzene	13.61	91	670755	49.961	ug/l	100
90) Hexachloroethane	13.87	117	124291	46.114	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	388324	45.340	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48833	46.615	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	237191	50.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	139443	51.869	ug/l	100
95) Naphthalene	15.13	128	626373	48.410	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	237657	50.549	ug/l	100

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

