

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056726.D
 Acq On : 15 Jul 2019 21:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:46 AM

Quant Time: Jul 16 05:22:18 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	340280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	525601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	475093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220636	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	181360	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
35) Dibromofluoromethane	7.59	113	159439	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
50) Toluene-d8	10.09	98	615031	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.40	95	216529	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	145340	45.487	ug/l	100
3) Chloromethane	2.06	50	193898	45.137	ug/l	100
4) Vinyl Chloride	2.18	62	197579	47.762	ug/l	100
5) Bromomethane	2.56	94	121163	49.806	ug/l	97
6) Chloroethane	2.70	64	112931	46.848	ug/l	99
7) Trichlorofluoromethane	3.01	101	249445	46.993	ug/l	98
8) Diethyl Ether	3.41	74	103183	49.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153198	48.038	ug/l	100
10) Methyl Iodide	3.95	142	201999	47.356	ug/l	99
11) Tert butyl alcohol	4.79	59	146442	233.742	ug/l	100
12) 1,1-Dichloroethene	3.73	96	156281	48.856	ug/l	99
13) Acrolein	3.60	56	53894	251.779	ug/l	98
14) Allyl chloride	4.32	41	265070	47.916	ug/l	99
15) Acrylonitrile	4.99	53	446188	246.612	ug/l	98
16) Acetone	3.81	43	346567	199.805	ug/l	98
17) Carbon Disulfide	4.05	76	405291	47.946	ug/l	100
18) Methyl Acetate	4.33	43	185028	47.447	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	495439	48.610	ug/l	98
20) Methylene Chloride	4.55	84	181993	48.013	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	167323	49.484	ug/l	98
22) Diisopropyl ether	5.95	45	549144	50.291	ug/l	98
23) Vinyl Acetate	5.90	43	2273905	256.984	ug/l	100
24) 1,1-Dichloroethane	5.85	63	309063	48.819	ug/l	100
25) 2-Butanone	6.84	43	581826	229.436	ug/l	100
26) 2,2-Dichloropropane	6.83	77	204577	44.817	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	195317	50.200	ug/l	98
28) Bromochloromethane	7.20	49	148312	49.826	ug/l	99
29) Tetrahydrofuran	7.21	42	401014	242.454	ug/l	99
30) Chloroform	7.37	83	304218	48.021	ug/l	100
31) Cyclohexane	7.65	56	290700	48.312	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	253698	50.637	ug/l	100
36) 1,1-Dichloropropene	7.79	75	235345	48.388	ug/l	100
37) Ethyl Acetate	6.93	43	239784	50.021	ug/l	98
38) Carbon Tetrachloride	7.78	117	217904	47.773	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	291052	48.464	ug/l	100
40) Benzene	8.04	78	719615	48.288	ug/l	99
41) Methacrylonitrile	7.18	41	97088m	46.108	ug/l	
42) 1,2-Dichloroethane	8.12	62	230079	48.850	ug/l	99
43) Isopropyl Acetate	8.17	43	372413	49.418	ug/l	100
44) Trichloroethene	8.83	130	194495	48.060	ug/l	98
45) 1,2-Dichloropropane	9.12	63	195763	49.437	ug/l	99
46) Dibromomethane	9.21	93	124281	50.645	ug/l	99
47) Bromodichloromethane	9.40	83	233852	50.149	ug/l	100
48) Methyl methacrylate	9.20	41	181224	49.725	ug/l	99
49) 1,4-Dioxane	9.20	88	61575	823.397	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1198050	245.453	ug/l	100
52) Toluene	10.16	92	447658	50.581	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250294	51.447	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	283988	50.302	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	179687	48.405	ug/l	99
56) Ethyl methacrylate	10.43	69	277428	51.941	ug/l	99
57) 1,3-Dichloropropane	10.71	76	302393	49.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	646001	251.513	ug/l	99
59) 2-Hexanone	10.75	43	867390	247.665	ug/l	100
60) Dibromochloromethane	10.90	129	185618	50.843	ug/l	98
61) 1,2-Dibromoethane	11.00	107	187284	50.766	ug/l	100
64) Tetrachloroethene	10.63	164	188520	45.995	ug/l	98
65) Chlorobenzene	11.43	112	478179	49.224	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	175481	49.062	ug/l	97
67) Ethyl Benzene	11.51	91	845954	49.552	ug/l	99
68) m/p-Xylenes	11.62	106	635912	99.668	ug/l	100
69) o-Xylene	11.95	106	308515	49.184	ug/l	100
70) Styrene	11.96	104	527429	52.010	ug/l	100
71) Bromoform	12.13	173	139089	51.108	ug/l #	99
73) Isopropylbenzene	12.25	105	811942	45.640	ug/l	99
74) N-amyl acetate	12.07	43	309789	46.757	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	256160	49.714	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	205750m	42.637	ug/l	
77) Bromobenzene	12.53	156	215130	46.233	ug/l	98
78) n-propylbenzene	12.59	91	922575	46.712	ug/l	100
79) 2-Chlorotoluene	12.67	91	544076	49.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	690109	45.770	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	75180	48.114	ug/l	98
82) 4-Chlorotoluene	12.77	91	551899	47.617	ug/l	99
83) tert-Butylbenzene	12.99	119	585608	49.818	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	690122	46.852	ug/l	100
85) sec-Butylbenzene	13.17	105	777652	46.415	ug/l	100
86) p-Isopropyltoluene	13.29	119	708906	46.707	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	361846	47.451	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	358226	48.294	ug/l	100
89) n-Butylbenzene	13.61	91	605185	49.501	ug/l	100
90) Hexachloroethane	13.87	117	114101	46.488	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	358612	45.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44940	47.109	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198705	46.403	ug/l	99
94) Hexachlorobutadiene	15.01	225	116815	47.611	ug/l	99
95) Naphthalene	15.13	128	524618	44.888	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	199037	46.757	ug/l	99

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

