

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056819.D
 Acq On : 19 Jul 2019 10:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/23/2019 4:32:33 AM

Quant Time: Jul 20 00:02:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	304607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	447464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	403768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	185629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	172582	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	154811	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
50) Toluene-d8	10.09	98	588104	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
62) 4-Bromofluorobenzene	12.40	95	203866	56.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140089	48.978	ug/l	95
3) Chloromethane	2.06	50	186259	48.436	ug/l	98
4) Vinyl Chloride	2.18	62	181218	48.937	ug/l	99
5) Bromomethane	2.54	94	110067m	50.544	ug/l	
6) Chloroethane	2.69	64	103906	48.152	ug/l	99
7) Trichlorofluoromethane	3.00	101	241983	50.926	ug/l	99
8) Diethyl Ether	3.41	74	96524	52.103	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151181	52.957	ug/l	100
10) Methyl Iodide	3.95	142	203305	53.243	ug/l	99
11) Tert butyl alcohol	4.79	59	146321	260.900	ug/l	99
12) 1,1-Dichloroethene	3.73	96	146724	51.240	ug/l	96
13) Acrolein	3.61	56	47401	247.565	ug/l	100
14) Allyl chloride	4.32	41	249212	50.325	ug/l	99
15) Acrylonitrile	4.98	53	419801	259.201	ug/l	100
16) Acetone	3.81	43	397749	256.168	ug/l	100
17) Carbon Disulfide	4.05	76	358714	47.406	ug/l	100
18) Methyl Acetate	4.32	43	177610	50.950	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	473309	51.877	ug/l	100
20) Methylene Chloride	4.55	84	175755	51.797	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	156249	51.621	ug/l	97
22) Diisopropyl ether	5.95	45	520286	53.228	ug/l	96
23) Vinyl Acetate	5.89	43	2120064	267.658	ug/l	100
24) 1,1-Dichloroethane	5.84	63	292174	51.556	ug/l	99
25) 2-Butanone	6.83	43	576884	254.129	ug/l	99
26) 2,2-Dichloropropane	6.82	77	217469	53.220	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	185042	53.129	ug/l	99
28) Bromochloromethane	7.19	49	126803	47.589	ug/l	99
29) Tetrahydrofuran	7.21	42	373063	251.969	ug/l	99
30) Chloroform	7.37	83	291595	51.419	ug/l	99
31) Cyclohexane	7.65	56	273785	50.829	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	238154	53.102	ug/l	100
36) 1,1-Dichloropropene	7.79	75	218755	52.831	ug/l	99
37) Ethyl Acetate	6.93	43	219423	53.767	ug/l	98
38) Carbon Tetrachloride	7.77	117	206986	53.304	ug/l	98

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

39) Methylcyclohexane	9.08	83	277492	54.275	ug/l	99
40) Benzene	8.04	78	684020	53.914	ug/l	100
41) Methacrylonitrile	7.17	41	103427	57.696	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	215813	53.822	ug/l	100
43) Isopropyl Acetate	8.16	43	344607	53.713	ug/l	99
44) Trichloroethene	8.83	130	189581	55.026	ug/l	96
45) 1,2-Dichloropropane	9.12	63	184107	54.612	ug/l	99
46) Dibromomethane	9.21	93	116289	55.664	ug/l	99
47) Bromodichloromethane	9.40	83	221625	55.826	ug/l	99
48) Methyl methacrylate	9.20	41	168240	54.223	ug/l	98
49) 1,4-Dioxane	9.20	88	74777	1174.548	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1109225	266.939	ug/l	99
52) Toluene	10.15	92	422966	56.136	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	238543	57.593	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	270716	56.325	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	171221	54.179	ug/l	100
56) Ethyl methacrylate	10.43	69	261436	57.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	284058	55.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	610774	279.323	ug/l	98
59) 2-Hexanone	10.75	43	812791	272.601	ug/l	99
60) Dibromochloromethane	10.90	129	178370	57.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	180839	57.579	ug/l	98
64) Tetrachloroethene	10.63	164	188471	54.105	ug/l	98
65) Chlorobenzene	11.43	112	455426	55.163	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	169816	55.865	ug/l	98
67) Ethyl Benzene	11.51	91	803791	55.399	ug/l	99
68) m/p-Xylenes	11.62	106	614336	113.295	ug/l	99
69) o-Xylene	11.94	106	295396	55.412	ug/l	99
70) Styrene	11.96	104	504766	58.568	ug/l	100
71) Bromoform	12.12	173	132865	57.446	ug/l #	98
73) Isopropylbenzene	12.25	105	782214	52.261	ug/l	100
74) N-amyl acetate	12.07	43	284613	51.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240860	55.798	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	208539m	51.364	ug/l	
77) Bromobenzene	12.53	156	207265	52.943	ug/l	96
78) n-propylbenzene	12.59	91	884799	53.248	ug/l	100
79) 2-Chlorotoluene	12.67	91	524577	57.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	673945	53.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70723	53.797	ug/l	100
82) 4-Chlorotoluene	12.77	91	520796	53.407	ug/l	99
83) tert-Butylbenzene	12.99	119	571405	58.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	660005	53.257	ug/l	99
85) sec-Butylbenzene	13.17	105	754155	53.502	ug/l	99
86) p-Isopropyltoluene	13.29	119	693525	54.311	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	344474	53.691	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334649	53.623	ug/l	99
89) n-Butylbenzene	13.61	91	570304	55.445	ug/l	99
90) Hexachloroethane	13.87	117	112155	54.313	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	340313	51.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40222	50.115	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	171405	47.484	ug/l	99
94) Hexachlorobutadiene	15.01	225	121910	59.376	ug/l	98
95) Naphthalene	15.13	128	425168	43.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	174837	48.671	ug/l	100

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

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