

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055587.D
 Acq On : 14 May 2019 11:57
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:49 PM

Quant Time: May 15 07:06:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	745181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1260710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1065123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360874	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	108448	9.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.48%	
35) Dibromofluoromethane	7.59	113	87460	10.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.48%	
50) Toluene-d8	10.09	98	324367	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
62) 4-Bromofluorobenzene	12.40	95	98594	9.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	75427	9.914	ug/l 100
3) Chloromethane	2.06	50	118280	9.663	ug/l 99
4) Vinyl Chloride	2.18	62	114191	9.811	ug/l 98
5) Bromomethane	2.55	94	69118	10.742	ug/l 95
6) Chloroethane	2.70	64	71112	10.395	ug/l 96
7) Trichlorofluoromethane	3.02	101	128852	10.081	ug/l 98
8) Diethyl Ether	3.41	74	56112	9.776	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	80310	9.871	ug/l 98
10) Methyl Iodide	3.94	142	99706	9.117	ug/l 99
11) Tert butyl alcohol	4.81	59	68090	42.808	ug/l 99
12) 1,1-Dichloroethene	3.73	96	81391	9.974	ug/l 99
13) Acrolein	3.60	56	65945	57.569	ug/l 99
14) Allyl chloride	4.32	41	155895	9.448	ug/l 98
15) Acrylonitrile	4.99	53	222205	44.268	ug/l 98
16) Acetone	3.82	43	265905	51.828	ug/l 100
17) Carbon Disulfide	4.05	76	224300	10.012	ug/l 98
18) Methyl Acetate	4.33	43	97416	7.771	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	254451	9.493	ug/l 97
20) Methylene Chloride	4.55	84	99650	9.428	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	88945	10.038	ug/l 98
22) Diisopropyl ether	5.95	45	318229	9.505	ug/l 95
23) Vinyl Acetate	5.90	43	1149837	44.626	ug/l 99
24) 1,1-Dichloroethane	5.85	63	176585	9.692	ug/l 99
25) 2-Butanone	6.84	43	320734	45.905	ug/l 98
26) 2,2-Dichloropropane	6.82	77	112487	9.917	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	100764	9.892	ug/l 99
28) Bromochloromethane	7.19	49	88678	9.514	ug/l 98
29) Tetrahydrofuran	7.22	42	197180	42.652	ug/l 98
30) Chloroform	7.37	83	165250	9.823	ug/l 99
31) Cyclohexane	7.65	56	176706	9.796	ug/l 94
32) 1,1,1-Trichloroethane	7.57	97	125857	9.791	ug/l 99
36) 1,1-Dichloropropene	7.79	75	121530	9.837	ug/l 98
37) Ethyl Acetate	6.93	43	113172	8.565	ug/l 97
38) Carbon Tetrachloride	7.77	117	105314	10.066	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	146983	9.764	ug/l	97
40) Benzene	8.04	78	382309	9.982	ug/l	98
41) Methacrylonitrile	7.17	41	54460	8.903	ug/l	94
42) 1,2-Dichloroethane	8.12	62	131169	9.784	ug/l	99
43) Isopropyl Acetate	8.17	43	181548	9.072	ug/l	99
44) Trichloroethene	8.84	130	93057	10.141	ug/l	98
45) 1,2-Dichloropropane	9.12	63	107093	9.794	ug/l	99
46) Dibromomethane	9.21	93	62520	9.872	ug/l	99
47) Bromodichloromethane	9.40	83	117287	9.640	ug/l	94
48) Methyl methacrylate	9.20	41	85723	8.864	ug/l	98
49) 1,4-Dioxane	9.20	88	33017	176.314	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	564616	43.104	ug/l	100
52) Toluene	10.16	92	220759	10.070	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	108513	9.330	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	134225	9.627	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	87366	9.858	ug/l	98
56) Ethyl methacrylate	10.43	69	120543	9.238	ug/l	98
57) 1,3-Dichloropropane	10.71	76	151472	9.660	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	137080	38.119	ug/l	99
59) 2-Hexanone	10.75	43	396753	43.255	ug/l	100
60) Dibromochloromethane	10.90	129	78557	9.742	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81692	9.621	ug/l	98
64) Tetrachloroethene	10.63	164	88122	10.119	ug/l	98
65) Chlorobenzene	11.43	112	221283	10.118	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	76412	10.117	ug/l	97
67) Ethyl Benzene	11.51	91	399583	9.779	ug/l	100
68) m/p-Xylenes	11.62	106	289030	19.655	ug/l	98
69) o-Xylene	11.95	106	140544	9.738	ug/l	99
70) Styrene	11.96	104	223557	9.692	ug/l	99
71) Bromoform	12.13	173	48818	9.651	ug/l #	99
73) Isopropylbenzene	12.25	105	378079	10.721	ug/l	99
74) N-amyl acetate	12.07	43	118950	8.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	118810	10.393	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	103480m	10.714	ug/l	
77) Bromobenzene	12.53	156	84940	10.685	ug/l	98
78) n-propylbenzene	12.59	91	393828	10.232	ug/l	100
79) 2-Chlorotoluene	12.67	91	246174	10.278	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	292196	10.196	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	26265	10.078	ug/l	96
82) 4-Chlorotoluene	12.77	91	229142	10.117	ug/l	100
83) tert-Butylbenzene	12.99	119	256757	10.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	269195	10.245	ug/l	99
85) sec-Butylbenzene	13.17	105	330831	10.158	ug/l	99
86) p-Isopropyltoluene	13.29	119	261593	9.871	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126479	10.334	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	118547	9.803	ug/l	97
89) n-Butylbenzene	13.61	91	176800	8.693	ug/l	99
90) Hexachloroethane	13.87	117	45080	10.414	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	125188	10.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14278	8.805	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	32499	7.846	ug/l	98
94) Hexachlorobutadiene	15.01	225	41221	9.396	ug/l	98
95) Naphthalene	15.13	128	96411	7.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	37680	7.759	ug/l	98

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

