

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052953.D
 Acq On : 18 Dec 2018 11:22
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:06:21 PM

Quant Time: Dec 18 12:14:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 12:10:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1086469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1647140	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1480409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	683379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	201991	17.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.96%	
35) Dibromofluoromethane	7.59	113	126383	13.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.50%	
50) Toluene-d8	10.09	98	740480	18.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.16%	
62) 4-Bromofluorobenzene	12.40	95	254726	18.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	225179	20.134	ug/l	99
3) Chloromethane	2.06	50	271690	20.240	ug/l	99
4) Vinyl Chloride	2.19	62	275273	20.498	ug/l	100
5) Bromomethane	2.58	94	179343	21.652	ug/l	98
6) Chloroethane	2.71	64	163025	20.538	ug/l	98
7) Trichlorofluoromethane	3.03	101	346242	20.796	ug/l	98
8) Diethyl Ether	3.41	74	126785	20.876	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	216541	20.985	ug/l	98
10) Methyl Iodide	3.96	142	303737	21.019	ug/l	100
11) Tert butyl alcohol	4.77	59	66448	102.942	ug/l	99
12) 1,1-Dichloroethene	3.74	96	206455	20.668	ug/l	99
13) Acrolein	3.61	56	62502	102.845	ug/l	98
14) Allyl chloride	4.33	41	322457	19.764	ug/l	98
15) Acrylonitrile	4.99	53	365208	100.851	ug/l	99
16) Acetone	3.81	43	207231	79.871	ug/l	99
17) Carbon Disulfide	4.06	76	655897	21.375	ug/l	100
18) Methyl Acetate	4.32	43	184783	19.406	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	565234	20.844	ug/l	99
20) Methylene Chloride	4.55	84	235755	20.191	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	223911	20.690	ug/l	96
22) Diisopropyl ether	5.95	45	702132	20.172	ug/l	99
23) Vinyl Acetate	5.90	43	2001251	96.626	ug/l	99
24) 1,1-Dichloroethane	5.85	63	414453	20.648	ug/l	100
25) 2-Butanone	6.83	43	365261	90.729	ug/l	98
26) 2,2-Dichloropropane	6.82	77	319659	21.626	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	252824	20.584	ug/l	99
28) Bromochloromethane	7.19	49	167027	18.531	ug/l	96
29) Tetrahydrofuran	7.21	42	269494	98.056	ug/l	98
30) Chloroform	7.37	83	406391	20.762	ug/l	99
31) Cyclohexane	7.65	56	400960	17.917	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	343149	20.954	ug/l	100
36) 1,1-Dichloropropene	7.79	75	315187	20.780	ug/l	100
37) Ethyl Acetate	6.93	43	181060	19.871	ug/l	98
38) Carbon Tetrachloride	7.77	117	296659	21.249	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384479	20.656	ug/l	98
40) Benzene	8.04	78	958855	21.062	ug/l	98
41) Methacrylonitrile	7.17	41	103080	20.417	ug/l	96
42) 1,2-Dichloroethane	8.12	62	280627	20.476	ug/l	98
43) Isopropyl Acetate	8.16	43	356786	19.098	ug/l	99
44) Trichloroethene	8.84	130	275989	22.444	ug/l	95
45) 1,2-Dichloropropane	9.12	63	250408	21.000	ug/l	99
46) Dibromomethane	9.21	93	145306	21.012	ug/l	99
47) Bromodichloromethane	9.40	83	310135	21.627	ug/l	99
48) Methyl methacrylate	9.20	41	170696	20.835	ug/l	98
49) 1,4-Dioxane	9.19	88	42115	452.868	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	884682	103.272	ug/l	99
52) Toluene	10.16	92	596105	21.620	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320546	22.213	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	374802	21.797	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	205651	20.894	ug/l	98
56) Ethyl methacrylate	10.43	69	271382	21.485	ug/l	97
57) 1,3-Dichloropropane	10.71	76	355588	21.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	745134	105.722	ug/l	98
59) 2-Hexanone	10.75	43	589736	100.453	ug/l	100
60) Dibromochloromethane	10.90	129	238569	22.427	ug/l	99
61) 1,2-Dibromoethane	11.00	107	208361	21.416	ug/l	99
64) Tetrachloroethene	10.63	164	331709	26.070	ug/l	98
65) Chlorobenzene	11.43	112	658517	21.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	230484	21.578	ug/l	98
67) Ethyl Benzene	11.51	91	1133401	21.489	ug/l	100
68) m/p-Xylenes	11.62	106	867254	43.790	ug/l	98
69) o-Xylene	11.95	106	412832	21.347	ug/l	98
70) Styrene	11.96	104	681108	21.909	ug/l	99
71) Bromoform	12.13	173	163283	22.501	ug/l #	99
73) Isopropylbenzene	12.25	105	1114456	21.842	ug/l	99
74) N-amyl acetate	12.07	43	307041	21.919	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	211886	18.529	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	241781m	23.980	ug/l	
77) Bromobenzene	12.53	156	282331	21.755	ug/l	98
78) n-propylbenzene	12.59	91	1251843	21.512	ug/l	100
79) 2-Chlorotoluene	12.67	91	741790	21.562	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	889454	21.595	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	73676	23.475	ug/l	93
82) 4-Chlorotoluene	12.77	91	745741	21.202	ug/l	99
83) tert-Butylbenzene	12.99	119	788851	21.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	891410	21.378	ug/l	100
85) sec-Butylbenzene	13.17	105	1045582	21.249	ug/l	99
86) p-Isopropyltoluene	13.29	119	905379	21.238	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	486705	21.104	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	483629	21.176	ug/l	99
89) n-Butylbenzene	13.62	91	738900	20.589	ug/l	100
90) Hexachloroethane	13.88	117	134172	18.796	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	456986	20.599	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33791	19.603	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	232208	19.256	ug/l	99
94) Hexachlorobutadiene	15.01	225	140771	20.168	ug/l	99
95) Naphthalene	15.13	128	490264	19.629	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	209336	18.919	ug/l	98

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

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