

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054938.D
 Acq On : 4 Apr 2019 10:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:44:23 PM

Quant Time: Apr 05 02:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 01:45:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	431786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	701348	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	114304	20.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.16%	
35) Dibromofluoromethane	7.59	113	90552	19.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.66%	
50) Toluene-d8	10.09	98	345133	19.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.84%	
62) 4-Bromofluorobenzene	12.40	95	111993	19.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109412	21.191	ug/l	96
3) Chloromethane	2.06	50	137515	20.144	ug/l	99
4) Vinyl Chloride	2.19	62	120718	20.240	ug/l	100
5) Bromomethane	2.58	94	66346	19.487	ug/l	99
6) Chloroethane	2.71	64	67672	20.343	ug/l	99
7) Trichlorofluoromethane	3.03	101	148085	20.448	ug/l	98
8) Diethyl Ether	3.42	74	46140	20.005	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77985	20.325	ug/l	100
10) Methyl Iodide	3.95	142	108014	19.972	ug/l	99
11) Tert butyl alcohol	4.81	59	30809m	104.571	ug/l	
12) 1,1-Dichloroethene	3.73	96	74826	19.660	ug/l	98
13) Acrolein	3.61	56	45751	113.551	ug/l	99
14) Allyl chloride	4.32	41	170971	19.800	ug/l	99
15) Acrylonitrile	5.00	53	177151	100.557	ug/l	99
16) Acetone	3.82	43	177705	114.852	ug/l	100
17) Carbon Disulfide	4.05	76	231416	19.101	ug/l	99
18) Methyl Acetate	4.33	43	75792	17.889	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	245809	19.911	ug/l	100
20) Methylene Chloride	4.55	84	102903	19.476	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	95253	20.076	ug/l	96
22) Diisopropyl ether	5.96	45	349667	20.155	ug/l	97
23) Vinyl Acetate	5.90	43	1224132	101.402	ug/l	99
24) 1,1-Dichloroethane	5.85	63	188478	19.922	ug/l	99
25) 2-Butanone	6.85	43	231620	108.351	ug/l	99
26) 2,2-Dichloropropane	6.82	77	128680	19.402	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	108565	20.134	ug/l	99
28) Bromochloromethane	7.19	49	85125	19.206	ug/l	99
29) Tetrahydrofuran	7.22	42	142680	101.831	ug/l	100
30) Chloroform	7.37	83	178818	19.944	ug/l	98
31) Cyclohexane	7.65	56	186826	17.294	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	149037	19.698	ug/l	98
36) 1,1-Dichloropropene	7.79	75	135789	19.540	ug/l	99
37) Ethyl Acetate	6.94	43	96464	20.228	ug/l	99
38) Carbon Tetrachloride	7.77	117	126162	18.799	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	156474	20.467	ug/l	99
40) Benzene	8.04	78	405560	20.282	ug/l	97
41) Methacrylonitrile	7.18	41	48564	17.809	ug/l	89
42) 1,2-Dichloroethane	8.12	62	141501	20.138	ug/l	99
43) Isopropyl Acetate	8.17	43	163582	20.353	ug/l	100
44) Trichloroethene	8.83	130	104403	20.420	ug/l	100
45) 1,2-Dichloropropane	9.12	63	113271	20.330	ug/l	97
46) Dibromomethane	9.21	93	66216	20.958	ug/l	95
47) Bromodichloromethane	9.40	83	131044	19.747	ug/l	98
48) Methyl methacrylate	9.20	41	81747	20.092	ug/l	98
49) 1,4-Dioxane	9.21	88	18021	438.818	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	459259	102.428	ug/l	100
52) Toluene	10.16	92	242084	20.539	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119271	19.474	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	150951	20.211	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	86688	20.286	ug/l	99
56) Ethyl methacrylate	10.43	69	109977	19.683	ug/l	100
57) 1,3-Dichloropropane	10.71	76	153410	20.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	221667	100.406	ug/l	99
59) 2-Hexanone	10.75	43	294283	105.078	ug/l	99
60) Dibromochloromethane	10.90	129	89126	19.911	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85210	21.207	ug/l	99
64) Tetrachloroethene	10.63	164	103725	21.143	ug/l	98
65) Chlorobenzene	11.43	112	248630	20.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	92419	20.359	ug/l	98
67) Ethyl Benzene	11.51	91	453417	20.283	ug/l	99
68) m/p-Xylenes	11.62	106	335005	40.994	ug/l	99
69) o-Xylene	11.95	106	161107	20.211	ug/l	100
70) Styrene	11.96	104	268553	21.004	ug/l	99
71) Bromoform	12.13	173	51232	18.776	ug/l #	97
73) Isopropylbenzene	12.25	105	432944	19.927	ug/l	98
74) N-amyl acetate	12.07	43	124316	20.586	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	104843	19.646	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	91175m	21.805	ug/l	
77) Bromobenzene	12.53	156	105786	20.105	ug/l	98
78) n-propylbenzene	12.59	91	483156	20.185	ug/l	100
79) 2-Chlorotoluene	12.67	91	294372	19.843	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	362096	20.293	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21419	20.333	ug/l	96
82) 4-Chlorotoluene	12.77	91	282015	20.099	ug/l	100
83) tert-Butylbenzene	12.99	119	304790	20.080	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	353951	20.503	ug/l	100
85) sec-Butylbenzene	13.17	105	392430	19.989	ug/l	99
86) p-Isopropyltoluene	13.29	119	346871	20.506	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	174763	19.968	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	167633	20.120	ug/l	99
89) n-Butylbenzene	13.61	91	279549	20.678	ug/l	99
90) Hexachloroethane	13.87	117	53968	18.993	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	178727	20.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14449	19.429	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77217	20.198	ug/l	99
94) Hexachlorobutadiene	15.01	225	57960	20.161	ug/l	100
95) Naphthalene	15.13	128	162675	19.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	78674	19.937	ug/l	99

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

