

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054937.D
 Acq On : 4 Apr 2019 10:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:44:31 PM

Quant Time: Apr 05 02:06:41 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	7.66	168	411112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	677538	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583618	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	27370	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
35) Dibromofluoromethane	7.59	113	21475	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
50) Toluene-d8	10.09	98	78954	4.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.44%	
62) 4-Bromofluorobenzene	12.40	95	24352	4.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	24649	5.014	ug/l	93
3) Chloromethane	2.06	50	32121	4.942	ug/l	98
4) Vinyl Chloride	2.19	62	29276	5.155	ug/l	99
5) Bromomethane	2.57	94	15968	4.926	ug/l	96
6) Chloroethane	2.71	64	16594	5.239	ug/l	98
7) Trichlorofluoromethane	3.02	101	35305	5.120	ug/l	98
8) Diethyl Ether	3.42	74	11046	5.030	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.75	101	19408	5.313	ug/l #	73
10) Methyl Iodide	3.94	142	24532	4.764	ug/l	97
11) Tert butyl alcohol	4.83	59	7053m	25.143	ug/l	
12) 1,1-Dichloroethene	3.73	96	19061	5.260	ug/l	94
13) Acrolein	3.60	56	4854	12.653	ug/l	96
14) Allyl chloride	4.32	41	39002	4.744	ug/l	98
15) Acrylonitrile	5.00	53	43018	25.646	ug/l	98
16) Acetone	3.82	43	34431	23.372	ug/l	93
17) Carbon Disulfide	4.04	76	54532	4.727	ug/l	97
18) Methyl Acetate	4.33	43	23273	5.769	ug/l	92
19) Methyl tert-butyl Ether	5.06	73	59576	5.069	ug/l	96
20) Methylene Chloride	4.55	84	26608	5.289	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	22814	5.050	ug/l	94
22) Diisopropyl ether	5.96	45	84778	5.132	ug/l	99
23) Vinyl Acetate	5.90	43	263848	22.955	ug/l	100
24) 1,1-Dichloroethane	5.85	63	45330	5.032	ug/l	96
25) 2-Butanone	6.85	43	49616	24.377	ug/l	94
26) 2,2-Dichloropropane	6.82	77	31791	5.034	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	26202	5.104	ug/l	98
28) Bromochloromethane	7.19	49	21611	5.121	ug/l #	99
29) Tetrahydrofuran	7.23	42	32777	24.569	ug/l	100
30) Chloroform	7.37	83	44832	5.252	ug/l	95
31) Cyclohexane	7.65	56	49366	4.800	ug/l #	84
32) 1,1,1-Trichloroethane	7.57	97	35880	4.981	ug/l	98
36) 1,1-Dichloropropene	7.79	75	32386	4.824	ug/l	98
37) Ethyl Acetate	6.94	43	23236	5.044	ug/l #	91
38) Carbon Tetrachloride	7.77	117	31708	4.891	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	36178	4.898	ug/l	96
40) Benzene	8.04	78	95664	4.952	ug/l	98
41) Methacrylonitrile	7.18	41	12473	4.735	ug/l	98
42) 1,2-Dichloroethane	8.13	62	34522	5.086	ug/l	97
43) Isopropyl Acetate	8.17	43	35772	4.607	ug/l	99
44) Trichloroethene	8.84	130	24899	5.041	ug/l	92
45) 1,2-Dichloropropane	9.12	63	27974	5.197	ug/l	94
46) Dibromomethane	9.21	93	15486	5.074	ug/l	99
47) Bromodichloromethane	9.40	83	30461	4.752	ug/l	98
48) Methyl methacrylate	9.20	41	18174	4.624	ug/l	94
49) 1,4-Dioxane	9.21	88	3963	99.892	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	103475	23.889	ug/l	99
52) Toluene	10.16	92	55275	4.854	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	24951	4.217	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	33278	4.612	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	20041	4.855	ug/l	94
56) Ethyl methacrylate	10.43	69	24298	4.502	ug/l	95
57) 1,3-Dichloropropane	10.71	76	35104	4.869	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	46152	21.640	ug/l	99
59) 2-Hexanone	10.75	43	64013	23.660	ug/l	95
60) Dibromochloromethane	10.90	129	20645	4.774	ug/l	94
61) 1,2-Dibromoethane	11.01	107	19447	5.010	ug/l	100
64) Tetrachloroethene	10.63	164	23835	5.064	ug/l	96
65) Chlorobenzene	11.43	112	58659	4.931	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	21466	4.929	ug/l	97
67) Ethyl Benzene	11.51	91	106120	4.948	ug/l	99
68) m/p-Xylenes	11.62	106	75204	9.591	ug/l	100
69) o-Xylene	11.95	106	38396	5.020	ug/l	95
70) Styrene	11.96	104	57935	4.723	ug/l	99
71) Bromoform	12.13	173	11667	4.457	ug/l #	94
73) Isopropylbenzene	12.25	105	98577	5.358	ug/l	99
74) N-amyl acetate	12.07	43	26375	5.158	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	24342	5.387	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	20947m	5.916	ug/l	
77) Bromobenzene	12.53	156	23540	5.284	ug/l	97
78) n-propylbenzene	12.59	91	102892	5.076	ug/l	100
79) 2-Chlorotoluene	12.67	91	67962	5.410	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	80939	5.357	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	4052	4.543	ug/l	86
82) 4-Chlorotoluene	12.77	91	61878	5.208	ug/l	98
83) tert-Butylbenzene	12.99	119	67276	5.234	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	75734	5.181	ug/l	100
85) sec-Butylbenzene	13.17	105	88072	5.298	ug/l	99
86) p-Isopropyltoluene	13.29	119	75080	5.242	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	37727	5.091	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	36000	5.103	ug/l	95
89) n-Butylbenzene	13.62	91	55048	4.809	ug/l	95
90) Hexachloroethane	13.87	117	12014	4.993	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	38364	5.272	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3076	4.885	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11938	3.688	ug/l	98
94) Hexachlorobutadiene	15.01	225	14324	5.884	ug/l	93
95) Naphthalene	15.13	128	26950	3.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	13697	4.099	ug/l	97

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

