

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN040419\
 Data File : VN054949.D
 Acq On : 4 Apr 2019 15:59
 Operator : JC/SP
 Sample : VN0404WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0404WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 1:43:28 PM

Quant Time: Apr 05 03:43:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	416896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	703058	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258377	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	287958	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.59	113	227728	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	10.09	98	851051	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	274177	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108595	21.784	ug/l	100
3) Chloromethane	2.06	50	134565	20.416	ug/l	99
4) Vinyl Chloride	2.19	62	119320	20.720	ug/l	100
5) Bromomethane	2.58	94	66350	20.184	ug/l	98
6) Chloroethane	2.71	64	64839	20.187	ug/l	99
7) Trichlorofluoromethane	3.02	101	145740	20.843	ug/l	96
8) Diethyl Ether	3.41	74	47099	21.150	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	76173	20.562	ug/l	99
10) Methyl Iodide	3.95	142	102154	19.563	ug/l	100
11) Tert butyl alcohol	4.83	59	30908	108.966	ug/l	97
12) 1,1-Dichloroethene	3.73	96	75349	20.504	ug/l	99
13) Acrolein	3.61	56	45285	107.766	ug/l	99
14) Allyl chloride	4.32	41	171937	21.081	ug/l	99
15) Acrylonitrile	5.00	53	181785	106.873	ug/l	99
16) Acetone	3.82	43	139521	87.320	ug/l	99
17) Carbon Disulfide	4.04	76	236655	20.231	ug/l	99
18) Methyl Acetate	4.33	43	83011	22.330	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	251367	21.089	ug/l	97
20) Methylene Chloride	4.55	84	103566	20.301	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	94174	20.519	ug/l	97
22) Diisopropyl ether	5.96	45	352346	21.035	ug/l	97
23) Vinyl Acetate	5.90	43	1251430	107.366	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191699	20.986	ug/l	99
25) 2-Butanone	6.85	43	221406	107.272	ug/l	98
26) 2,2-Dichloropropane	6.82	77	128252	20.028	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	107363	20.622	ug/l	99
28) Bromochloromethane	7.19	49	89107	20.823	ug/l	100
29) Tetrahydrofuran	7.22	42	149993	110.873	ug/l	100
30) Chloroform	7.37	83	181232	20.935	ug/l	99
31) Cyclohexane	7.65	56	188019	20.809	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	151680	20.763	ug/l	97
36) 1,1-Dichloropropene	7.79	75	134234	19.269	ug/l	99
37) Ethyl Acetate	6.94	43	102519	21.445	ug/l	99
38) Carbon Tetrachloride	7.77	117	127121	18.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	153574	20.039	ug/l	96
40) Benzene	8.04	78	401099	20.010	ug/l	99
41) Methacrylonitrile	7.18	41	59093	21.618	ug/l	95
42) 1,2-Dichloroethane	8.13	62	143399	20.358	ug/l	98
43) Isopropyl Acetate	8.17	43	168092	20.863	ug/l	99
44) Trichloroethene	8.83	130	105140	20.514	ug/l	97
45) 1,2-Dichloropropane	9.12	63	113648	20.348	ug/l	100
46) Dibromomethane	9.21	93	63690	20.109	ug/l	97
47) Bromodichloromethane	9.40	83	133525	20.072	ug/l	99
48) Methyl methacrylate	9.20	41	82711	20.279	ug/l	98
49) 1,4-Dioxane	9.20	88	17380	422.180	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	474930	105.665	ug/l	99
52) Toluene	10.16	92	240142	20.325	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	121356	18.952	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	153771	20.538	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	88622	20.688	ug/l	99
56) Ethyl methacrylate	10.43	69	111272	19.867	ug/l	97
57) 1,3-Dichloropropane	10.71	76	155925	20.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	223672	96.213	ug/l	99
59) 2-Hexanone	10.75	43	292562	104.210	ug/l	100
60) Dibromochloromethane	10.90	129	90551	20.180	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84887	21.075	ug/l	97
64) Tetrachloroethene	10.63	164	98486	20.338	ug/l	98
65) Chlorobenzene	11.43	112	254071	20.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95020	21.206	ug/l	98
67) Ethyl Benzene	11.51	91	450396	20.411	ug/l	99
68) m/p-Xylenes	11.62	106	334015	41.408	ug/l	100
69) o-Xylene	11.95	106	163543	20.786	ug/l	100
70) Styrene	11.96	104	265563	21.042	ug/l	100
71) Bromoform	12.13	173	53333	19.802	ug/l #	98
73) Isopropylbenzene	12.25	105	431213	19.757	ug/l	99
74) N-amyl acetate	12.07	43	129173	21.292	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	106650	20.903	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88190m	19.950	ug/l	
77) Bromobenzene	12.53	156	104718	19.811	ug/l	98
78) n-propylbenzene	12.59	91	479918	19.958	ug/l	100
79) 2-Chlorotoluene	12.67	91	292809	19.648	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	360360	20.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21946	19.620	ug/l	98
82) 4-Chlorotoluene	12.77	91	286330	20.313	ug/l	98
83) tert-Butylbenzene	12.99	119	299141	19.618	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	348674	20.105	ug/l	99
85) sec-Butylbenzene	13.17	105	393567	19.955	ug/l	100
86) p-Isopropyltoluene	13.29	119	343490	20.213	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	176027	20.020	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	169859	20.293	ug/l	99
89) n-Butylbenzene	13.61	91	266498	19.623	ug/l	99
90) Hexachloroethane	13.87	117	56103	19.654	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	172451	19.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15143	20.269	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80229	19.373	ug/l	97
94) Hexachlorobutadiene	15.01	225	55245	19.129	ug/l	97
95) Naphthalene	15.13	128	166686	18.934	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	78320	19.756	ug/l	98

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

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