

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059094.D
 Acq On : 6 Nov 2019 9:39
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:07 AM

Quant Time: Nov 07 03:52:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 03:09:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	491406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	780209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	703018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	316468	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	123203	19.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.72%	
35) Dibromofluoromethane	7.57	113	94693	19.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.40%	
50) Toluene-d8	10.08	98	369906	19.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.62%	
62) 4-Bromofluorobenzene	12.40	95	127759	18.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98940	18.767	ug/l	99
3) Chloromethane	2.04	50	131547	18.416	ug/l	99
4) Vinyl Chloride	2.17	62	130305	18.769	ug/l	100
5) Bromomethane	2.55	94	77172	18.875	ug/l	98
6) Chloroethane	2.68	64	76060	17.890	ug/l	100
7) Trichlorofluoromethane	3.00	101	158340	19.145	ug/l	99
8) Diethyl Ether	3.39	74	62278	19.218	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95025	19.473	ug/l	100
10) Methyl Iodide	3.93	142	115410	19.369	ug/l	99
11) Tert butyl alcohol	4.75	59	112533	93.938	ug/l	98
12) 1,1-Dichloroethene	3.71	96	89837	18.524	ug/l	95
13) Acrolein	3.58	56	55632	77.072	ug/l	99
14) Allyl chloride	4.30	41	184250	19.174	ug/l	99
15) Acrylonitrile	4.95	53	284569	94.331	ug/l	98
16) Acetone	3.79	43	352068	106.433	ug/l	98
17) Carbon Disulfide	4.03	76	274157	17.917	ug/l	99
18) Methyl Acetate	4.29	43	148137	17.780	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	322795	19.515	ug/l	99
20) Methylene Chloride	4.52	84	107677	18.708	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	98236	18.891	ug/l	97
22) Diisopropyl ether	5.92	45	362927	19.811	ug/l	98
23) Vinyl Acetate	5.87	43	1475546	101.378	ug/l	100
24) 1,1-Dichloroethane	5.82	63	201494	19.223	ug/l	99
25) 2-Butanone	6.81	43	428865	98.038	ug/l	99
26) 2,2-Dichloropropane	6.80	77	169517	18.663	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	112958	19.219	ug/l	99
28) Bromochloromethane	7.17	49	58346	18.158	ug/l	99
29) Tetrahydrofuran	7.19	42	264725	95.971	ug/l	99
30) Chloroform	7.35	83	190168	18.983	ug/l	98
31) Cyclohexane	7.63	56	185140	18.598	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	162827	19.215	ug/l	99
36) 1,1-Dichloropropene	7.77	75	147167	19.073	ug/l	98
37) Ethyl Acetate	6.90	43	158357	18.446	ug/l	99
38) Carbon Tetrachloride	7.75	117	145146	19.282	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	165412	18.601	ug/l	98
40) Benzene	8.02	78	440043	19.167	ug/l	98
41) Methacrylonitrile	7.15	41	74284	19.907	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	150714	18.891	ug/l	100
43) Isopropyl Acetate	8.14	43	252227	18.829	ug/l	100
44) Trichloroethene	8.82	130	106011	18.746	ug/l	97
45) 1,2-Dichloropropane	9.10	63	118161	19.012	ug/l	97
46) Dibromomethane	9.19	93	72781	18.971	ug/l	99
47) Bromodichloromethane	9.39	83	148115	19.028	ug/l	100
48) Methyl methacrylate	9.18	41	110584	18.095	ug/l	100
49) 1,4-Dioxane	9.18	88	39411	397.956	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	792447	101.540	ug/l	98
52) Toluene	10.14	92	261711	19.488	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165662	18.456	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	183667	19.418	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	104099	18.960	ug/l	100
56) Ethyl methacrylate	10.42	69	156817	18.997	ug/l	99
57) 1,3-Dichloropropane	10.70	76	182107	19.099	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	313810	95.784	ug/l	99
59) 2-Hexanone	10.74	43	596051	100.536	ug/l	99
60) Dibromochloromethane	10.90	129	110608	18.760	ug/l	100
61) 1,2-Dibromoethane	11.00	107	105512	19.032	ug/l	99
64) Tetrachloroethene	10.62	164	95604	19.480	ug/l	97
65) Chlorobenzene	11.43	112	272870	18.979	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	102582	19.364	ug/l	98
67) Ethyl Benzene	11.51	91	490481	19.714	ug/l	99
68) m/p-Xylenes	11.62	106	362216	38.932	ug/l	98
69) o-Xylene	11.95	106	172684	19.453	ug/l	100
70) Styrene	11.96	104	275178	19.165	ug/l	98
71) Bromoform	12.13	173	75823	18.513	ug/l #	99
73) Isopropylbenzene	12.25	105	468751	20.181	ug/l	100
74) N-amyl acetate	12.07	43	192784	18.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	156929	18.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	139232m	18.825	ug/l	
77) Bromobenzene	12.53	156	112331	19.275	ug/l	99
78) n-propylbenzene	12.59	91	538327	20.054	ug/l	100
79) 2-Chlorotoluene	12.67	91	322470	19.346	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	398366	20.167	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53084	18.407	ug/l	98
82) 4-Chlorotoluene	12.77	91	330122	19.387	ug/l	100
83) tert-Butylbenzene	12.99	119	334647	19.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	388982	20.337	ug/l	98
85) sec-Butylbenzene	13.17	105	446750	20.306	ug/l	100
86) p-Isopropyltoluene	13.29	119	396543	20.014	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	196054	19.005	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192018	18.838	ug/l	99
89) n-Butylbenzene	13.62	91	335939	19.527	ug/l	99
90) Hexachloroethane	13.88	117	75911	19.303	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	195541	19.002	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30398	17.037	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101762	18.442	ug/l	98
94) Hexachlorobutadiene	15.01	225	63967	19.187	ug/l	98
95) Naphthalene	15.13	128	272857	18.049	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	104711	18.555	ug/l	99

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

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