

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054282.D
 Acq On : 15 Mar 2019 1:21
 Operator : JC/SP
 Sample : VN0314WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0314WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:27 AM

Quant Time: Mar 15 08:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1340814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2095240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1804624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	810631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	746591	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
35) Dibromofluoromethane	7.59	113	693734	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
50) Toluene-d8	10.09	98	2475293	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	816283	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	259530	20.423	ug/l	99
3) Chloromethane	2.06	50	247107	20.019	ug/l	99
4) Vinyl Chloride	2.19	62	283618	20.103	ug/l	100
5) Bromomethane	2.57	94	189759	19.420	ug/l	96
6) Chloroethane	2.71	64	169872	19.900	ug/l	99
7) Trichlorofluoromethane	3.02	101	364493	19.432	ug/l	99
8) Diethyl Ether	3.41	74	183861	21.509	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	289535	20.598	ug/l	99
10) Methyl Iodide	3.94	142	372264	19.587	ug/l	99
11) Tert butyl alcohol	4.82	59	89184	91.360	ug/l	100
12) 1,1-Dichloroethene	3.73	96	296852	21.311	ug/l	98
13) Acrolein	3.61	56	65048	70.321	ug/l	98
14) Allyl chloride	4.32	41	343952	19.245	ug/l	98
15) Acrylonitrile	4.99	53	430773	107.429	ug/l	99
16) Acetone	3.82	43	309039	75.799	ug/l	99
17) Carbon Disulfide	4.04	76	629411	18.025	ug/l	99
18) Methyl Acetate	4.33	43	194119	23.533	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	740040	21.434	ug/l	98
20) Methylene Chloride	4.54	84	282824	21.126	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	276041	20.683	ug/l	100
22) Diisopropyl ether	5.96	45	746926	20.940	ug/l	99
23) Vinyl Acetate	5.90	43	2625305	99.824	ug/l	99
24) 1,1-Dichloroethane	5.85	63	485836	21.213	ug/l	99
25) 2-Butanone	6.85	43	476486	99.574	ug/l	99
26) 2,2-Dichloropropane	6.82	77	282892	14.046	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	324172	21.772	ug/l	95
28) Bromochloromethane	7.19	49	192939	20.607	ug/l	97
29) Tetrahydrofuran	7.22	42	316890	102.995	ug/l	98
30) Chloroform	7.37	83	522178	21.849	ug/l	100
31) Cyclohexane	7.65	56	434589	19.549	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	437663	20.277	ug/l	99
36) 1,1-Dichloropropene	7.79	75	375200	19.445	ug/l	100
37) Ethyl Acetate	6.94	43	223546	20.163	ug/l	98
38) Carbon Tetrachloride	7.77	117	378898	18.725	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	433375	18.255	ug/l	99
40) Benzene	8.04	78	1145208	20.741	ug/l	100
41) Methacrylonitrile	7.18	41	115906	18.310	ug/l	94
42) 1,2-Dichloroethane	8.13	62	376722	20.209	ug/l	98
43) Isopropyl Acetate	8.17	43	362809	18.643	ug/l	99
44) Trichloroethene	8.84	130	349113	20.353	ug/l	97
45) 1,2-Dichloropropane	9.12	63	286102	20.867	ug/l	100
46) Dibromomethane	9.21	93	190457	20.560	ug/l	99
47) Bromodichloromethane	9.40	83	370762	19.964	ug/l	99
48) Methyl methacrylate	9.20	41	201646	20.418	ug/l	98
49) 1,4-Dioxane	9.21	88	55962	400.606	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1033045	100.309	ug/l	98
52) Toluene	10.16	92	718465	20.521	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	319351	16.423	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395860	18.292	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	270836	21.186	ug/l	97
56) Ethyl methacrylate	10.43	69	297841	19.540	ug/l	98
57) 1,3-Dichloropropane	10.71	76	434554	20.789	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	585068	99.345	ug/l	99
59) 2-Hexanone	10.75	43	646877	94.398	ug/l	99
60) Dibromochloromethane	10.90	129	276675	19.229	ug/l	98
61) 1,2-Dibromoethane	11.01	107	268136	20.640	ug/l	99
64) Tetrachloroethene	10.63	164	366824	21.024	ug/l	98
65) Chlorobenzene	11.44	112	821887	20.742	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	294060	20.429	ug/l	99
67) Ethyl Benzene	11.51	91	1327479	20.210	ug/l	98
68) m/p-Xylenes	11.62	106	1035278	40.326	ug/l	99
69) o-Xylene	11.95	106	527221	21.067	ug/l	96
70) Styrene	11.96	104	796395	20.290	ug/l	99
71) Bromoform	12.13	173	174834	17.535	ug/l #	98
73) Isopropylbenzene	12.25	105	1375775	21.213	ug/l	100
74) N-amyl acetate	12.07	43	282763	19.642	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	296275	21.442	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	264201m	22.163	ug/l	
77) Bromobenzene	12.53	156	362143	21.102	ug/l	96
78) n-propylbenzene	12.59	91	1448069	20.577	ug/l	100
79) 2-Chlorotoluene	12.68	91	882406	20.854	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1108016	20.539	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	46410	13.309	ug/l #	81
82) 4-Chlorotoluene	12.77	91	859741	20.349	ug/l	99
83) tert-Butylbenzene	12.99	119	1037783	20.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1112332	21.018	ug/l	100
85) sec-Butylbenzene	13.17	105	1329343	20.644	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146744	20.299	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	601623	20.804	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	582936	20.520	ug/l	99
89) n-Butylbenzene	13.62	91	827697	19.283	ug/l	99
90) Hexachloroethane	13.88	117	169920	18.165	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	607775	21.499	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39632	18.535	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	302952	19.373	ug/l	98
94) Hexachlorobutadiene	15.01	225	208261	19.341	ug/l	99
95) Naphthalene	15.13	128	652263	20.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	313626	20.880	ug/l	99

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

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