

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059048.D
 Acq On : 31 Oct 2019 18:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:16 AM

Quant Time: Nov 01 03:36:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	384350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	269537	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.57	113	208682	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.08	98	783184	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	298138	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207782	43.360	ug/l	99
3) Chloromethane	2.04	50	271413	45.731	ug/l	100
4) Vinyl Chloride	2.17	62	272314	46.210	ug/l	99
5) Bromomethane	2.53	94	138445	37.517	ug/l	97
6) Chloroethane	2.67	64	165173	43.708	ug/l	98
7) Trichlorofluoromethane	2.99	101	339659	46.583	ug/l	99
8) Diethyl Ether	3.39	74	135410	53.740	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200099	49.502	ug/l	97
10) Methyl Iodide	3.93	142	210984	39.685	ug/l	98
11) Tert butyl alcohol	4.76	59	277252	296.383	ug/l	99
12) 1,1-Dichloroethene	3.71	96	188399	49.723	ug/l	96
13) Acrolein	3.58	56	131936	205.267	ug/l	100
14) Allyl chloride	4.30	41	400183	52.195	ug/l	94
15) Acrylonitrile	4.96	53	702840	298.694	ug/l	98
16) Acetone	3.79	43	645240	231.641	ug/l	97
17) Carbon Disulfide	4.03	76	509824	41.771	ug/l	99
18) Methyl Acetate	4.30	43	378468	59.762	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	741041	55.855	ug/l	99
20) Methylene Chloride	4.53	84	233678	49.130	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	208661	49.867	ug/l	94
22) Diisopropyl ether	5.93	45	838707	55.926	ug/l	94
23) Vinyl Acetate	5.87	43	3492667	289.879	ug/l	99
24) 1,1-Dichloroethane	5.82	63	443572	51.010	ug/l	99
25) 2-Butanone	6.81	43	993054	274.636	ug/l	98
26) 2,2-Dichloropropane	6.80	77	357537	47.535	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	249787	52.256	ug/l	97
28) Bromochloromethane	7.17	49	148215	51.179	ug/l	99
29) Tetrahydrofuran	7.19	42	649916	293.818	ug/l	99
30) Chloroform	7.35	83	432498	49.583	ug/l	98
31) Cyclohexane	7.63	56	374784	46.264	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	369395	50.242	ug/l	98
36) 1,1-Dichloropropene	7.77	75	315668	49.982	ug/l	99
37) Ethyl Acetate	6.91	43	389239	56.562	ug/l	98
38) Carbon Tetrachloride	7.75	117	317969	48.871	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352656	49.729	ug/l	99
40) Benzene	8.02	78	966833	52.132	ug/l	99
41) Methacrylonitrile	7.15	41	158509	51.717	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	347662	48.665	ug/l	98
43) Isopropyl Acetate	8.15	43	621793	56.339	ug/l	99
44) Trichloroethene	8.82	130	230135	50.941	ug/l	96
45) 1,2-Dichloropropane	9.11	63	268902	52.876	ug/l	100
46) Dibromomethane	9.20	93	166999	51.944	ug/l	97
47) Bromodichloromethane	9.39	83	347878	52.500	ug/l	100
48) Methyl methacrylate	9.19	41	281492	56.216	ug/l	94
49) 1,4-Dioxane	9.19	88	102309	1244.645	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2003598	310.807	ug/l	97
52) Toluene	10.15	92	587240	53.395	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	392851	53.556	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	422014	53.850	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	242215	53.462	ug/l	98
56) Ethyl methacrylate	10.43	69	400896	52.565	ug/l	94
57) 1,3-Dichloropropane	10.71	76	427803	53.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	832348	258.796	ug/l	100
59) 2-Hexanone	10.75	43	1512221	303.575	ug/l	97
60) Dibromochloromethane	10.90	129	265476	54.439	ug/l	99
61) 1,2-Dibromoethane	11.00	107	251353	54.211	ug/l	100
64) Tetrachloroethene	10.63	164	197430	49.580	ug/l	98
65) Chlorobenzene	11.43	112	626087	54.086	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241530	55.293	ug/l	99
67) Ethyl Benzene	11.51	91	1142435	56.260	ug/l	98
68) m/p-Xylenes	11.62	106	841978	111.808	ug/l	100
69) o-Xylene	11.95	106	402439	56.033	ug/l	99
70) Styrene	11.97	104	689168	51.916	ug/l	98
71) Bromoform	12.13	173	196142	57.905	ug/l #	99
73) Isopropylbenzene	12.25	105	1100374	53.723	ug/l	99
74) N-amyl acetate	12.07	43	539363	58.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	396653	55.076	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	356337m	54.859	ug/l	
77) Bromobenzene	12.53	156	268826	53.249	ug/l	97
78) n-propylbenzene	12.60	91	1317713	54.427	ug/l	100
79) 2-Chlorotoluene	12.68	91	787248	53.128	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	946337	54.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	138655	55.609	ug/l	95
82) 4-Chlorotoluene	12.78	91	803362	53.052	ug/l	100
83) tert-Butylbenzene	13.00	119	797804	54.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	943287	55.573	ug/l	99
85) sec-Butylbenzene	13.18	105	1083991	55.250	ug/l	98
86) p-Isopropyltoluene	13.30	119	978515	56.524	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	486180	53.858	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	483699	53.519	ug/l	99
89) n-Butylbenzene	13.62	91	869354	54.667	ug/l	99
90) Hexachloroethane	13.88	117	184295	52.537	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	492062	55.459	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	85212	52.311	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288201	51.518	ug/l	99
94) Hexachlorobutadiene	15.02	225	151935	52.834	ug/l	98
95) Naphthalene	15.13	128	867836	53.879	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292584	53.625	ug/l	98

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

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