

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103119\
 Data File : VN059024.D
 Acq On : 31 Oct 2019 8:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 7:04:06 AM

Quant Time: Nov 01 00:22:15 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	7.64	168	421773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658120	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	617616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309905	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	272880	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
35) Dibromofluoromethane	7.57	113	208541	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.08	98	809264	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	
62) 4-Bromofluorobenzene	12.40	95	313864	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	224098	42.615	ug/l	99
3) Chloromethane	2.04	50	288134	44.240	ug/l	99
4) Vinyl Chloride	2.17	62	295526	45.700	ug/l	99
5) Bromomethane	2.53	94	175374	43.307	ug/l	97
6) Chloroethane	2.68	64	182289	43.957	ug/l	97
7) Trichlorofluoromethane	3.00	101	368942	46.110	ug/l	97
8) Diethyl Ether	3.39	74	143976	52.069	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	214730	48.408	ug/l	97
10) Methyl Iodide	3.92	142	268772	46.069	ug/l	98
11) Tert butyl alcohol	4.75	59	255106	248.512	ug/l	99
12) 1,1-Dichloroethene	3.71	96	203308	48.897	ug/l	98
13) Acrolein	3.58	56	186295	264.122	ug/l	98
14) Allyl chloride	4.29	41	434390	51.630	ug/l	95
15) Acrylonitrile	4.95	53	682311	264.241	ug/l	99
16) Acetone	3.79	43	873933	285.904	ug/l	98
17) Carbon Disulfide	4.02	76	564088	42.116	ug/l	100
18) Methyl Acetate	4.29	43	365568	52.603	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	783185	53.793	ug/l	100
20) Methylene Chloride	4.52	84	251753	48.234	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	224515	48.895	ug/l	96
22) Diisopropyl ether	5.92	45	899266	54.644	ug/l	95
23) Vinyl Acetate	5.86	43	3653075	276.291	ug/l	99
24) 1,1-Dichloroethane	5.82	63	470947	49.353	ug/l	99
25) 2-Butanone	6.81	43	1050030	264.627	ug/l	99
26) 2,2-Dichloropropane	6.80	77	412620	49.991	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	270305	51.531	ug/l	98
28) Bromochloromethane	7.17	49	146636	46.141	ug/l	99
29) Tetrahydrofuran	7.18	42	621177	255.909	ug/l	99
30) Chloroform	7.35	83	461402	48.203	ug/l	99
31) Cyclohexane	7.63	56	410839	46.215	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	393287	48.746	ug/l	98
36) 1,1-Dichloropropene	7.77	75	341784	50.726	ug/l	99
37) Ethyl Acetate	6.90	43	392113	53.410	ug/l	99
38) Carbon Tetrachloride	7.75	117	345678	49.801	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	392562	51.888	ug/l	99
40) Benzene	8.02	78	1040270	52.578	ug/l	99
41) Methacrylonitrile	7.15	41	175938m	53.807	ug/l	
42) 1,2-Dichloroethane	8.10	62	377346	49.510	ug/l	99
43) Isopropyl Acetate	8.14	43	629592	53.472	ug/l	99
44) Trichloroethene	8.82	130	249475	51.762	ug/l	100
45) 1,2-Dichloropropane	9.10	63	290109	53.472	ug/l	98
46) Dibromomethane	9.19	93	174665	50.925	ug/l	97
47) Bromodichloromethane	9.39	83	372953	52.758	ug/l	99
48) Methyl methacrylate	9.18	41	295827	55.377	ug/l	96
49) 1,4-Dioxane	9.19	88	98204	1119.855	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1968771	286.271	ug/l	98
52) Toluene	10.15	92	644202	54.905	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	428979	54.817	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	454936	54.414	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	260657	53.928	ug/l	98
56) Ethyl methacrylate	10.42	69	417062	51.310	ug/l	95
57) 1,3-Dichloropropane	10.70	76	456092	53.764	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	825488	240.982	ug/l	99
59) 2-Hexanone	10.75	43	1537123	289.242	ug/l	97
60) Dibromochloromethane	10.90	129	284777	54.738	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264764	53.526	ug/l	100
64) Tetrachloroethene	10.63	164	225756	52.193	ug/l	99
65) Chlorobenzene	11.43	112	684584	54.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255625	53.874	ug/l	99
67) Ethyl Benzene	11.51	91	1258937	57.076	ug/l	98
68) m/p-Xylenes	11.62	106	927131	113.342	ug/l	100
69) o-Xylene	11.95	106	444593	56.988	ug/l	100
70) Styrene	11.96	104	755980	52.412	ug/l	99
71) Bromoform	12.13	173	208566	56.686	ug/l #	98
73) Isopropylbenzene	12.25	105	1227187	54.185	ug/l	98
74) N-amyl acetate	12.07	43	559799	54.520	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	404033	50.735	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	376670m	52.444	ug/l	
77) Bromobenzene	12.53	156	293601	52.594	ug/l	97
78) n-propylbenzene	12.59	91	1461317	54.585	ug/l	99
79) 2-Chlorotoluene	12.68	91	856771	52.290	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1051923	55.281	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	148025	53.689	ug/l	94
82) 4-Chlorotoluene	12.78	91	895888	53.504	ug/l	100
83) tert-Butylbenzene	13.00	119	898134	55.195	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1050123	55.950	ug/l	99
85) sec-Butylbenzene	13.17	105	1209836	55.766	ug/l	99
86) p-Isopropyltoluene	13.29	119	1104825	57.716	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	536243	53.722	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	529358	52.969	ug/l	99
89) n-Butylbenzene	13.62	91	996298	56.658	ug/l	99
90) Hexachloroethane	13.88	117	200147	51.599	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	520818	53.086	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82916	46.034	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	310148	50.207	ug/l	99
94) Hexachlorobutadiene	15.02	225	173484	54.557	ug/l	100
95) Naphthalene	15.13	128	839596	47.419	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	299527	49.825	ug/l	100

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

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