

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064389.D
 Acq On : 30 Oct 2020 10:30
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:11:31 PM

Quant Time: Oct 30 13:42:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	248671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	396204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	376925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174259	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	189579	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.54	113	130202	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.05	98	477814	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.37	95	184112	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	148704	52.022	ug/l	99
3) Chloromethane	2.04	50	150617	48.744	ug/l	99
4) Vinyl Chloride	2.16	62	157815	52.802	ug/l	97
5) Bromomethane	2.53	94	94744	49.058	ug/l	100
6) Chloroethane	2.67	64	93091	52.125	ug/l	100
7) Trichlorofluoromethane	2.98	101	283748	56.670	ug/l	99
8) Diethyl Ether	3.37	74	86810	54.806	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	136431	54.213	ug/l	98
10) Methyl Iodide	3.91	142	154866	46.115	ug/l	99
11) Tert butyl alcohol	4.72	59	123915	213.610	ug/l	99
12) 1,1-Dichloroethene	3.69	96	124541	52.421	ug/l	94
13) Acrolein	3.57	56	24842	201.061	ug/l	96
14) Allyl chloride	4.27	41	232998	48.031	ug/l	94
15) Acrylonitrile	4.92	53	310960	249.269	ug/l	99
16) Acetone	3.77	43	405835	299.337	ug/l	98
17) Carbon Disulfide	4.01	76	347996	49.508	ug/l	99
18) Methyl Acetate	4.27	43	146451	48.787	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	481516	52.750	ug/l	98
20) Methylene Chloride	4.50	84	145187	51.230	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	139778	52.741	ug/l	92
22) Diisopropyl ether	5.89	45	513674	54.174	ug/l	98
23) Vinyl Acetate	5.84	43	2179701	271.719	ug/l	100
24) 1,1-Dichloroethane	5.79	63	277921	52.381	ug/l	99
25) 2-Butanone	6.78	43	528715	263.507	ug/l	99
26) 2,2-Dichloropropane	6.77	77	275817	53.116	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	160705	52.984	ug/l	97
28) Bromochloromethane	7.14	49	125875	49.794	ug/l	99
29) Tetrahydrofuran	7.16	42	304353	233.655	ug/l	100
30) Chloroform	7.32	83	302209	53.362	ug/l	100
31) Cyclohexane	7.61	56	218914	47.201	ug/l	96
32) 1,1,1-Trichloroethane	7.52	97	285242	52.451	ug/l	99
36) 1,1-Dichloropropene	7.75	75	217937	54.503	ug/l	99
37) Ethyl Acetate	6.87	43	202240	50.072	ug/l	99
38) Carbon Tetrachloride	7.73	117	258263	55.711	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	186402	47.014	ug/l	98
40) Benzene	8.00	78	598429	53.766	ug/l	97
41) Methacrylonitrile	7.12	41	100924	50.337	ug/l	92
42) 1,2-Dichloroethane	8.08	62	267363	55.608	ug/l	99
43) Isopropyl Acetate	8.12	43	367481	53.225	ug/l #	91
44) Trichloroethene	8.80	130	161767	55.481	ug/l	92
45) 1,2-Dichloropropane	9.08	63	160077	53.708	ug/l	97
46) Dibromomethane	9.17	93	113282	54.329	ug/l	97
47) Bromodichloromethane	9.37	83	246469	53.337	ug/l	98
48) Methyl methacrylate	9.16	41	176738	49.615	ug/l	99
49) 1,4-Dioxane	9.16	88	49410	941.060	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1028266	256.209	ug/l	99
52) Toluene	10.12	92	384111	54.690	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	274725	56.227	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	277796	55.233	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	151310	54.578	ug/l	99
56) Ethyl methacrylate	10.40	69	224449	53.482	ug/l	99
57) 1,3-Dichloropropane	10.68	76	262023	55.405	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	579324	252.967	ug/l	99
59) 2-Hexanone	10.72	43	786313	266.019	ug/l	98
60) Dibromochloromethane	10.87	129	186104	56.775	ug/l	99
61) 1,2-Dibromoethane	10.97	107	159946	56.621	ug/l	98
64) Tetrachloroethene	10.60	164	154529	49.881	ug/l	98
65) Chlorobenzene	11.40	112	413076	54.057	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	164565	53.282	ug/l	97
67) Ethyl Benzene	11.48	91	753168	53.015	ug/l	96
68) m/p-Xylenes	11.59	106	557044	105.804	ug/l	100
69) o-Xylene	11.92	106	270002	53.231	ug/l	97
70) Styrene	11.94	104	457173	54.972	ug/l	99
71) Bromoform	12.10	173	124850	51.504	ug/l #	100
73) Isopropylbenzene	12.22	105	698539	53.522	ug/l	99
74) N-amyl acetate	12.04	43	318677	55.473	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	199575	52.607	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	211920m	50.783	ug/l	
77) Bromobenzene	12.50	156	175103	54.789	ug/l	99
78) n-propylbenzene	12.56	91	791891	53.593	ug/l	99
79) 2-Chlorotoluene	12.65	91	500073	52.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	578757	52.407	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	76343	52.697	ug/l	96
82) 4-Chlorotoluene	12.74	91	533399	55.433	ug/l	99
83) tert-Butylbenzene	12.96	119	459444	50.699	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	586330	53.135	ug/l	99
85) sec-Butylbenzene	13.14	105	566741	48.328	ug/l	100
86) p-Isopropyltoluene	13.26	119	524144	49.612	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	301633	53.912	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	302593	53.101	ug/l	99
89) n-Butylbenzene	13.59	91	444453	47.754	ug/l	97
90) Hexachloroethane	13.85	117	96875	48.825	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	296466	53.298	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	47451	50.408	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	145051	45.559	ug/l	98
94) Hexachlorobutadiene	14.98	225	69903	40.952	ug/l	98
95) Naphthalene	15.10	128	425018	43.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	134673	43.978	ug/l	95

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

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