

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062991.D
 Acq On : 18 Aug 2020 00:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:13:09 AM

Quant Time: Aug 18 07:48:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	275119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	417536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	396783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	168828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	158692	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
35) Dibromofluoromethane	7.55	113	132116	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.06	98	512754	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.38	95	148791	39.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	139316	44.845	ug/l	99
3) Chloromethane	2.03	50	132553	44.734	ug/l	99
4) Vinyl Chloride	2.16	62	187108	50.000	ug/l	99
5) Bromomethane	2.51	94	105452	39.762	ug/l	96
6) Chloroethane	2.66	64	111895	43.905	ug/l	95
7) Trichlorofluoromethane	2.98	101	228537	43.842	ug/l	97
8) Diethyl Ether	3.37	74	78324	49.018	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	113965	45.777	ug/l	96
10) Methyl Iodide	3.91	142	157997	49.784	ug/l	99
11) Tert butyl alcohol	4.74	59	122319	245.603	ug/l	100
12) 1,1-Dichloroethene	3.70	96	107240	45.377	ug/l	96
13) Acrolein	3.57	56	60814	203.527	ug/l	98
14) Allyl chloride	4.27	41	191267	52.415	ug/l	98
15) Acrylonitrile	4.93	53	362904	276.306	ug/l	99
16) Acetone	3.78	43	272078	241.108	ug/l	98
17) Carbon Disulfide	4.01	76	299164	44.113	ug/l	100
18) Methyl Acetate	4.28	43	163498	62.733	ug/l	95
19) Methyl tert-butyl Ether	4.99	73	418784	54.247	ug/l	97
20) Methylene Chloride	4.50	84	137871	50.546	ug/l	93
21) trans-1,2-Dichloroethene	4.99	96	117626	47.516	ug/l	96
22) Diisopropyl ether	5.90	45	485075	61.519	ug/l	97
23) Vinyl Acetate	5.84	43	1620700	291.603	ug/l	97
24) 1,1-Dichloroethane	5.80	63	251987	54.659	ug/l	99
25) 2-Butanone	6.79	43	474474	291.741	ug/l	93
26) 2,2-Dichloropropane	6.78	77	160432	42.100	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	147211	50.124	ug/l	95
28) Bromochloromethane	7.15	49	131850	59.326	ug/l	81
29) Tetrahydrofuran	7.17	42	318039	322.492	ug/l	92
30) Chloroform	7.33	83	252895	52.605	ug/l	99
31) Cyclohexane	7.62	56	242970	54.048	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	206305	51.701	ug/l	97
36) 1,1-Dichloropropene	7.75	75	174326	48.671	ug/l	98
37) Ethyl Acetate	6.88	43	183093	55.956	ug/l	95
38) Carbon Tetrachloride	7.73	117	174438	46.097	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	231533	48.710	ug/l	95
40) Benzene	8.00	78	566354	49.990	ug/l	100
41) Methacrylonitrile	7.13	41	93811	58.460	ug/l #	77
42) 1,2-Dichloroethane	8.08	62	192303	51.712	ug/l	96
43) Isopropyl Acetate	8.13	43	292652	56.293	ug/l #	87
44) Trichloroethene	8.80	130	137919	45.153	ug/l	98
45) 1,2-Dichloropropane	9.08	63	161322	51.106	ug/l	100
46) Dibromomethane	9.17	93	96648	49.177	ug/l	93
47) Bromodichloromethane	9.37	83	207469	52.046	ug/l	97
48) Methyl methacrylate	9.17	41	145956	57.398	ug/l	93
49) 1,4-Dioxane	9.17	88	53833	1000.935	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	1012397	291.064	ug/l	95
52) Toluene	10.12	92	351727	49.142	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	218326	50.773	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	234849	50.598	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	149212	49.183	ug/l	95
56) Ethyl methacrylate	10.40	69	224515	47.892	ug/l	94
57) 1,3-Dichloropropane	10.68	76	248195	51.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	255561	280.801	ug/l	94
59) 2-Hexanone	10.72	43	728682	306.653	ug/l	96
60) Dibromochloromethane	10.88	129	161960	47.969	ug/l	100
61) 1,2-Dibromoethane	10.98	107	149782	48.364	ug/l	97
64) Tetrachloroethene	10.60	164	125291	46.038	ug/l	99
65) Chlorobenzene	11.41	112	380422	46.842	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	148913	47.210	ug/l	98
67) Ethyl Benzene	11.48	91	682934	49.914	ug/l	97
68) m/p-Xylenes	11.60	106	520709	100.784	ug/l	97
69) o-Xylene	11.92	106	247391	50.408	ug/l	97
70) Styrene	11.94	104	442930	52.035	ug/l	98
71) Bromoform	12.10	173	124448	47.200	ug/l #	99
73) Isopropylbenzene	12.22	105	665085	57.103	ug/l	99
74) N-amyl acetate	12.05	43	270455	67.640	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.48	83	172555	47.065	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	143479m	43.321	ug/l	
77) Bromobenzene	12.50	156	150710	44.881	ug/l	97
78) n-propylbenzene	12.57	91	611477	44.996	ug/l	100
79) 2-Chlorotoluene	12.65	91	369682	45.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	467302	47.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	69099	55.494	ug/l	98
82) 4-Chlorotoluene	12.75	91	374917	45.047	ug/l	100
83) tert-Butylbenzene	12.97	119	402939	47.681	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	465179	49.057	ug/l	100
85) sec-Butylbenzene	13.15	105	530565	47.705	ug/l	100
86) p-Isopropyltoluene	13.26	119	489099	49.420	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	261646	47.312	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	260230	45.658	ug/l	99
89) n-Butylbenzene	13.59	91	376369	46.820	ug/l	99
90) Hexachloroethane	13.85	117	90487	45.074	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	253411	47.412	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	29890	47.183	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	131578	43.838	ug/l	99
94) Hexachlorobutadiene	14.98	225	90055	43.649	ug/l	99
95) Naphthalene	15.10	128	302567	49.635	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	129879	43.830	ug/l	98

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

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